

**Catalog  
Fitinguri si Robineti  
2013**

Instalatii sub presiune  
pentru aplicatii industriale



## Date de contact:

### **S.C. Big-Weld S.R.L.**

RO 27125367  
J35 / 1028 / 2010

e-mail: [office@bigweld.ro](mailto:office@bigweld.ro)  
website: [www.bwinstal.ro](http://www.bwinstal.ro)

### **Magazin Timisoara**

str. Vulturilor, nr. 23  
Timisoara, Timis  
300458, Romania

tel: +4 0755 083 563  
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fax: +4 0356 174 244



# ISO 9001 / ISO 14001



**Certification**  
Awarded to  
**GEORG FISCHER TPA SRL**

HEAD OFFICE AND OPERATIVE SITE Via Bonazzi, 32 - 40013 CASTEL MAGGIORE - BO  
 OPERATIVE SITE Via Fontanelle, 22 - 16012 BUSALLA - GE  
 OPERATIVE SITE Via Matteucci, 4 - 40057 GRANAROLO DELL'EMILIA - BO

Bureau Veritas Italia certify that the Management System of the above organization has been audited and found to be in accordance with the requirements of the management system standards detailed below

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**ISO 9001:2008**  
Scope of supply

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Design, production and assembling of fittings, valves, saddles and accessories in plastic material.

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EA sector(s): 14  
 Original Emission Date: 18/03/2009  
 Expiration Date: 17/03/2012

Subject to the continued satisfactory operation, to check this certificate validity please refer to website: [www.bureauveritas.it](http://www.bureauveritas.it)  
 Further clarifications regarding the scope of this certificate and the applicability of standard's requirements may be obtained by consulting the organisation.

  
 Certificate N°: IT231110

  
SGQ N° 009A  
 SGA N° 0083  
 PRD N° 0018  
 SCE N° 008F  
 FEMS N° 0031  
Member degli Accordi di Mutuo Riconoscimento IFA e IAF  
 Signatory of EU and UK Mutual Recognition Agreements

Managing & Certification Office:  
Bureau Veritas Italia Sp.A. - Certification Division - Viale Monza, 261 - 20126 Milan - ITALY



**Certification**  
Awarded to  
**GEORG FISCHER TPA SRL**

HEAD OFFICE AND OPERATIVE SITE Via Bonazzi, 32 - 40013 CASTEL MAGGIORE - BO  
 OPERATIVE SITE via Fontanelle, 22 - 16012 BUSALLA - GE  
 OPERATIVE SITE Via Matteucci, 4 - 40057 GRANAROLO DELL'EMILIA - BO

Bureau Veritas Italia certify that the Management System of the above organization has been audited and found to be in accordance with the requirements of the management system standards detailed below

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**ISO 14001:2004**  
Scope of supply

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Design, production and assembling of fittings, valves, saddles and accessories in plastic material.

---

EA sector(s): 14  
 Original Emission Date: 17/06/2009  
 Expiration Date: 16/06/2012

Certification awarded in conformity with the provisions of SINCERT document RT-09.  
 Subject to the continued satisfactory operation, to check this certificate validity please refer to website: [www.bureauveritas.it](http://www.bureauveritas.it)  
 Further clarifications regarding the scope of this certificate and the applicability of standard's requirements may be obtained by consulting the organisation.

  
 Certificate N°: IT231635

  
SGQ N° 009A  
 SGA N° 0083  
 PRD N° 0018  
 SCE N° 008F  
 FEMS N° 0031  
Member degli Accordi di Mutuo Riconoscimento IFA e IAF  
 Signatory of EU and UK Mutual Recognition Agreements

Managing & Certification Office:  
Bureau Veritas Italia Sp.A. - Certification Division - Viale Monza, 261 - 20126 Milan - ITALY

# Certificate

## Fitinguri si Robineti



**CERTIFICATO DI CONFORMITÀ**

Certificate of conformity



n° 163 / 2009 — Rev. 0

<b>Prodotti</b> <i>Products</i>	<b>Raccordi di cloruro di polivinile non plastificato (PVC-U) per sistemi di tubazioni per adduzione d'acqua</b> <i>Unplasticized polyvinyl chloride (PVC-U) fittings for piping systems for water supply</i>
<b>Gamma di prodotti</b> <i>Range of products</i>	<b>vedere allegato / see annex</b>
<b>Norma</b> <i>Standard</i>	<b>UNI EN 1452-3 : 2001</b>
<b>Nome commerciale</b> <i>Trade name</i>	<b>TP</b>
<b>Produttore</b> <i>Manufacturer</i>	<b>GEORG FISCHER TPA S.R.L.</b>
<b>Sede legale</b> <i>Head office</i>	<b>VIA BONAZZI, 32 — 40013 CASTEL MAGGIORE (BO)</b>
<b>Sito produttivo</b> <i>Production site</i>	<b>VIA FONTANELLE, 22 — 16012 BUSALLA (GE)</b>

Istituto Italiano dei Plastici S.r.l. (I.I.P. S.r.l.) certifica che i prodotti sopra elencati sono conformi alla norma indicata ed ai requisiti di I.I.P. S.r.l. specificati nel Regolamento generale e nelle Regole particolari applicabili e valutati secondo le prescrizioni del documento Sincert RT-06.  
Il produttore, sottoposto a sorveglianza continua da parte di I.I.P. S.r.l., è autorizzato ad apporre sui prodotti certificati il marchio IIP-UNI con numero distintivo 237.  
Il presente certificato di conformità è valido (salvo modifica, sospensione o revoca) fino al 28/02/2012.

Istituto Italiano dei Plastici S.r.l. (I.I.P. S.r.l.) certifies that the above listed products are in conformity with the indicated standard and the requirements of I.I.P. S.r.l. specified in the general Rules and in the applicable particular Rules and evaluated against Sincert document RT-06.  
The manufacturer, which is subjected to continuous surveillance by I.I.P. S.r.l., is entitled to put on the certified products the IIP-UNI conformity Mark with the distinctive number 237.  
This certificate of conformity is valid (unless modification, suspension or withdrawal) until 28/02/2012.

Dalmine, 04/02/2009

ISTITUTO ITALIANO DEI PLASTICI S.r.l.  
via Pasubio 5 - 24044 Dalmine (BG) - www.iip.it - info@iip.it  
Il Presidente  
(dr. Graziano Vidotto)





SGG 1108A  
SGA 1124D  
SP-1002B  
SP-1002C

Member degli Accordi di Mutual Recognition EA e IAF  
Signatory of EA and IAF Mutual Recognition Agreements



Partner for progress

Numero	K5113/02	Vervangt	K5113/01
Utgegeven	2009-05-01	D.d.	2006-04-01
Geldig tot	n.v.t.		

productcertificaat

### Fittingen van ongeplasteerd PVC

Op grond van onderzoek, alsmede regelmatig door Kiwa uitgevoerde controles, worden de door

**Georg Fischer TPA s.r.l.**

geleverde producten, die gespecificeerd zijn in dit certificaat, en die voorzien zijn van het onder "Merken" aangegeven Kiwa-keur, bij aflevering geacht te voldoen aan Kiwa-beoordelingsrichtlijn BRL-K 17301 "leidingssystemen van PVC transport voor drinkwater en ruw water".



Bouke Meekma  
Directeur Kiwa N.V.

Dit certificaat is afgegeven conform het Kiwa-Reglement voor productcertificatie.

Dit certificaat bestaat uit 4 pagina's.  
Openbaarmaking van het certificaat is toegestaan.

Kiwa N.V.  
Sir W. Churchill-laan 273  
Postbus 70  
2280 AD RUSWIJK

Tel. 070 414 44 00  
Fax 070 414 44 20  
E-mail info@kiwa.nl  
www.kiwa.nl



**Producent**  
Georg Fischer TPA s.r.l.  
Via Fontanella Sersola  
I-16012 Busalla (GE) Italia

Tel. +39 010 962 4711  
Fax +39 010 9642 660

**Importeur**  
Georg Fischer N.V.  
Langs Veentevweg 19  
Postbus 35  
8160 AA Epe

Tel. 0578 678 222  
Fax 0578 621768

# NSF International

RECOGNIZES

## GEORG FISCHER TPA SRL

Facility: BUSALLA (GENOVA), ITALY

AS COMPLYING WITH NSF/ANSI 61.

PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE AUTHORIZED TO BEAR THE NSF MARK.





This certificate is the property of NSF International and must be returned upon request. For the most current and complete information, please visit the NSF website (www.nsf.org).

January 9, 2007  
Certificate# 54771 - 01



David Purkiss, General Manager  
Water Distribution Systems



Organisme certificateur

Organisme mandaté

**CERTIFICAT**

**TUBES ET RACCORDS EN PVC NON PLASTIFIÉ RIGIDE**

Décision d'admission n° 37-1-P-01 du 1er août 1994  
 Décision de reconduction n° 37-1-P-26 du 19 janvier 2010  
 Cette décision annule et remplace la décision n° 37-1-P-27 du 9 janvier 2009

La société : GEORG FISCHER TPA Srl  
 Via Bonazzi 32  
 I - 40013 CASTEL MAGGIORE BO  
 Usine de : GEORG FISCHER TPA Srl  
 I - 16012 BUSALLA GE

est autorisée à apposer la marque NF en application des règles générales de la marque NF et du règlement NF 055. Cette décision atteste que les produits ci-après sont certifiés, après évaluation conformément à ces référentiels. La gamme des produits figure en annexe.

Normes applicables : NF EN 1452, NF T 54-029

**RACCORDS POUR RÉSEAUX D'EAU AVEC PRESSION**  
 Désignation commerciale : TP



Par mandatement d'AFNOR Certification et pour le CSTB

La Direction Technique  
 Hervé BERRIER

**CARACTÉRISTIQUES CERTIFIÉES**

Dimensions  
 Résistance à la pression  
 Résistance aux sollicitations par pressions alternées

Ce certificat comporte 2 pages.

Correspondant  
 Gildas MOREAU  
 Tél. : 01 64 68 82 50  
 Fax : 01 64 68 84 44

Sauf retrait, suspension ou modification, le droit d'usage de ce certificat est reconduit tous les 15 mois.  
 La liste des certificats est tenue à jour au CSTB et disponible sur le site internet [www.cstb.fr](http://www.cstb.fr).



CENTRE SCIENTIFIQUE ET TECHNIQUE DU BATIMENT  
 Siège social : 84 AVENUE JEAN JAURES | CHAMPS-SUR-MARNE | 77447 MARNE-VALEE CEDEX 2  
 TEL. 03 01 64 68 82 82 | FAX. 03 01 64 68 73 37 | [www.cstb.fr](http://www.cstb.fr)  
 MARNE-VALEE | PARIS | GRENOBLE | NANTES | SOPHIA-ANTIPOLIS

**CERTIFICATO DI OMOLOGAZIONE DI TIPO**  
 N. MAC392106CS/001



Si certifica che il seguente prodotto soddisfa le prescrizioni delle norme qui specificate.

Descrizione	Tubi e raccordi in plastica
Tipo	Raccordi e valvole in PVC rigido
Richiedente	GEORG FISCHER TPA SRL VIA BONAZZI 32 40013 CASTEL MAGGIORE (BO) ITALY
Fabbricante	GEORG FISCHER TPA SRL
Luogo di produzione	VIA FONTANELLE 22 16012 BUSALLA (GE) ITALY
Norme di riferimento	Parte C, Capitolo 1, Appendice 3 delle Norme RINA 2006

Rilasciato a Genova l' 1 Giugno 2007. Questo Certificato è valido fino al 31 Maggio 2012



RINA  
 Francesco Sciacca

Questo Certificato è composto di 1 pagina e di 1 allegato

Questo certificato annulla e sostituisce il precedente atto emesso con n. MAC/47901/1/TO/01 datato 20.8.2001

RINA Società per azioni  
 Via Corsica, 12 - 16128 Genova  
 Tel + 39 010 53851  
 Fax + 39 010 5351000

Page 1 / 3



Certificate number: 12735/BO BV  
 File number: ACM 135/2033/001  
 Product code: 2080H

This certificate is not valid when presented without the full attached schedule composed of 7 sections.

[www.veritar.com](http://www.veritar.com)

**TYPE APPROVAL CERTIFICATE**

This certificate is issued to

**GEORG FISCHER TPA Srl**  
 CASTEL MAGGIORE - BO - ITALY

for the type of product

**THERMOPLASTIC MATERIAL PIPES AND FITTINGS**

PVC-U and PVC-UH Fittings and Valves

**Requirements:**

- BUREAU VERITAS Rules for the Classification of Steel Ships
- BUREAU VERITAS Rules for the Classification of Offshore Units
- IMO Resolution A.753 (18)

This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 02 Jul 2014

For BUREAU VERITAS,  
 At BV GENOVA, on 02 Jul 2009,  
 Carlo Bozzetti



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) listed to be re-approved prior to allow being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division available on the internet site [www.veritar.com](http://www.veritar.com). Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

BV Mod. Ad.E 530 May 2009

This certificate consists of 3 page(s)



Laboratoires Eaux & Environnement  
 Water & Environment Laboratories  
[lab.info@pasteur-lille.fr](mailto:lab.info@pasteur-lille.fr)

**ATTESTATION DE CONFORMITE SANITAIRE**  
 pour un matériel organique en contact avec l'eau  
 destinée à la consommation humaine

Conformément à l'arrêté du 29 Mai 1997 modifié et aux circulaires du Ministère de la Santé  
 DGS/VS4 n° 99/217 du 12 avril 1999 et DGS/VS4 n° 2000/232 du 27 avril 2000.

Coordonnées du demandeur des essais :	Nom commercial du matériel :
GEORG FISCHER TPA s.r.l. Via Fontanelle, 22 16012 Busalla (GE) Italie	Raccords en PVC marque TP

**Type de produit fini :**

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> tube                  | <input checked="" type="checkbox"/> raccord     | <input type="checkbox"/> composant d'accessoires |
| <input type="checkbox"/> produit de jointoyage | <input type="checkbox"/> joint                  | <input type="checkbox"/> autre                   |
| <input type="checkbox"/> gaine de câble        | <input type="checkbox"/> crèpines de filtration |  |

**Nature du matériel :**

- |  |  |  |
|--|--|--|
| <input checked="" type="checkbox"/> polychlorure de vinyle PVC | <input type="checkbox"/> polybutène PB               | <input type="checkbox"/> acrylonitrile butadiène styrène ABS |
| <input type="checkbox"/> PVC surchloré PVC-C                   | <input type="checkbox"/> polyamide PA                | <input type="checkbox"/> à base de résine époxydique         |
| <input type="checkbox"/> polyéthylène PE                       | <input type="checkbox"/> polyéthylène sulfonaté PE-X | <input type="checkbox"/> polyphénylène éther (PPE)           |
| <input type="checkbox"/> polyéthylène réticulé PE-X            | <input type="checkbox"/> butadiène acrylonitrile NBR |  |
| <input type="checkbox"/> polypropylène PP                      | <input type="checkbox"/> éthylène propylène EPDM     |  |

Commentaires : /

N° de dossier attribué par le laboratoire : 09 MAT LI 048

**Formulation chimique :**

- |   |  |
|---|--|
| <input type="checkbox"/> certifiée par l'industriel | <input checked="" type="checkbox"/> vérifiée par un laboratoire habilité |
| commentaires :                                      | commentaires :   |

**Essais d'inertie réalisés selon la norme AFNOR XP P 41-250 :**

Rapport S/V testé : 3 cm<sup>3</sup>/l  
 Date des essais : du 07/09/2009 au 05/10/2009  
 Commentaires : ESSAIS SATISFAISANTS.

Attestation délivrée par : Institut Pasteur de Lille

Signature :

A la date du : 07 octobre 2009

Mr Patrick Thomas  
 Chef de Laboratoire

Date d'expiration de l'ACS : le 07 octobre 2014

Commentaires : /

Fondation reconnue  
 d'utilité publique

1, rue du Professeur Calmette  
 BP 245 - 59019 Lille cedex  
 Tél. +33 3 20 87 77 30 - Fax +33 3 20 87 73 83  
[www.pasteur-lille.fr](http://www.pasteur-lille.fr)

SIRET 783 696 834 00010 - APE 7312  
 C.F.P. - 39 044 01005 0001003026 36  
 N° d'identification à la TVA - FR 52 783 696 834  
 C.K. Scilbert Dupont - BNA - 075 002 7175 000 0241 1110 09  
 N° : CM0R2E

## Packaging

Code	Length	BOX (GP)		Volume m <sup>3</sup>
		Width mm	Height	
XB	1200	800	800	0,768
G	600	400	400	0,096
M	300	400	400	0,048
T	390	250	210	0,020
S	600	267	118	0,019

## Meanings / Symbols / Abbreviations

<b>d</b>	Pipe outside diameter (mm)
<b>DIN</b>	Deutsche Industrie Normen
<b>ISO</b>	International Standardisation Organization
<b>DN</b>	Nominal diameter (bore)
<b>G</b>	Thread according ISO 228/1 DIN 2999 BS 21 (not pressure tight in the thread)
<b>NPT</b>	Taper male thread (pressure tight in the thread)
<b>R</b>	Taper male thread according ISO 7/1 (pressure tight in the thread)
<b>RP</b>	Parallel female thread according ISO 7/1 (pressure tight in the thread)
<b>EPDM</b>	Ethylene Propylene Rubber
<b>PE</b>	Polyethylene
<b>PN</b>	Nominal pressure at 20° C, water
<b>PP-H</b>	Polypropylene Homopolymer
<b>PVC-U</b>	Polyvinyl Chlorine
<b>PTFE</b>	Polytetrafluorethylene
<b>GP</b>	Gross pack
<b>SP</b>	Standard pack
<b>Minimum order qty : GP when indicated, SP otherwise</b>	

# PVC-U Fitinguri

## Aplicatii

TP este o firma dedicata fittingurilor si robinetilor din PVC pentru instalatii sub presiune in aplicatii industriale. Fiecare produs TP este proiectat astfel incat sa faca fata cererilor clientilor in aplicatii specifice cum ar fi distributie, tratare si epurare, piscine publice si private, bai termale si spa-uri, acvarii si acvacultura, irigatii si fantani.

## Gama

Gama completa de fittinguri TP este disponibila pe urmatoarele segmente: metric pentru lipire cu solvent de la 16 mm la 225 mm, filetate BSP de la 3/8" la 6", tranzitii de la 16x3/8" la 160x6".

## PROPRIETATI MECANICE

Presiune maxima de lucru Bar

Serie	Dimensiuni	PN
Lipire cu solvent	de la d 16 to d 200	16
	de la d 225 to d 315	10
Filetate	de la 3/8" to 6"	16
Tranzitii	de la D 16 to D 160	16

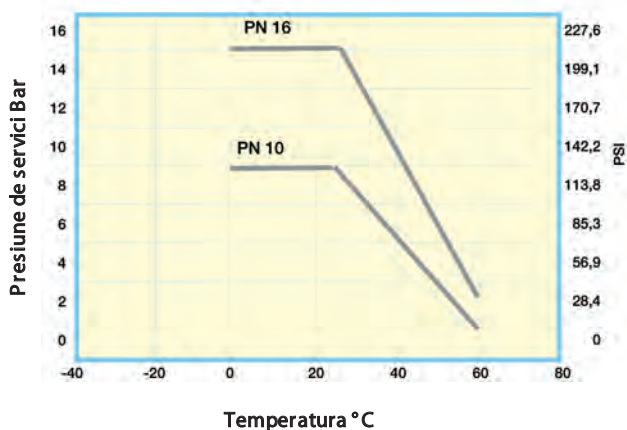
## Reglementari sanitare

Fittingurile noastre, ca si materia prima, sunt adecvate pentru apa potabila si industria alimentara in conformitate cu D.M. 1 74, 06.04.2004 si alte standarde internationale.

## Materiale

Compusul PVC-U folosit de TP este policlorura de vinil neplastifiata. Rezistenta chimica a materialului este in conformitate cu ISO/TR 10358.

## RELATIE PRESIUNE-TEMPERATURA CONFORM DIN 3441 BLATT 1 SI EN 1452/3/5



## Standarde

Materia prima folosita pentru produsele TP este in conformitate cu standardele internationale mentionate in tabelul "PHI-SICAL PROPRIETATI ALE PVC-U". Fittingurile TP sunt in conformitate cu principalele standarde internationale ca ISO EN 1452-3, NF & KIWA si in consecinta pot fi imbinate cu tevi conforme cu principalele standardele internationale.

## FACTORI DE SIGURANTA FITINGURI PN 16 LA 20°C

Presiune de lucru	Ore		Corespondent pentru 50 ani
	1	1000	
10 Bar	6,7	5,1	4,0
16 Bar DN 160	4,2	3,2	2,5
16 Bar DN >160	3,36	2,56	2

## Garnituri

Garniturile standard pentru olandezi si flanse sunt din EPDM

## PVC-U PROPRIETATI FIZICE

Caracteristici	Standard	Units	PVC
Densitate	ISO 1183	kg/dm <sup>3</sup>	1,40
Elongatie	ISO R527	%	154
Modul de elasticitate	ISO R527	MPa	2.600
Rezistenta la tractiune	ISO R527	MPa	40
Rezistenta la rupere	ISO R527	MPa	44
Punct de inmuiere Vicat 5 Kgs	ISO 306	°C	> 76
Conductivitate termica 23°C	ASTM C177	$\frac{w}{mk}$	0,13÷0,19
Coefficient de dilatare lineara	ASTM D696 UNI 6061	$\frac{mm}{mm \cdot ^\circ C}$	5÷8x10 <sup>-5</sup>
Absorbția de apa	UNI 7449-75	mg/cm <sup>2</sup>	< 0,1
Reglementari PSI	UL94		V-O
Continut cenusa	UNI 7449-75	%	< 3
Culoare			9735

# PVC-U Fitinguri

## TOLERANTELE - FITINGURILE PENTRU LIPIRE CU SOLVENT SUNT IN CONFORMITATE CU:

Fitinguri: ISO 727 - EN 14 52/2/3 - DIN 8063 - KIWA 54  
NF T54-028

Teava: ISO 161 - EN 1452 /2 - DIN 8062 - KIWA 49  
NF T54-016

Nominal DN	D	fitinguri tata diametru ext.		fitinguri mama diametru int.	
		Min.	Max.	Min.	Max.
10	16	16	16,20	16,10	16,30
15	20	20	20,20	20,10	20,30
20	25	25	25,20	25,10	25,30
25	32	32	32,20	32,10	32,30
32	40	40	40,20	40,10	40,30
40	50	50	50,20	50,10	50,30
50	63	63	63,20	63,10	63,30
65	75	75	75,30	75,10	75,30
80	90	90	90,30	90,10	90,30
100	110	110	110,30	110,10	110,40
110	125	125	125,30	125,10	125,40
125	140	140	140,40	140,20	140,50
150	160	160	160,40	160,20	160,50
200	200	200	200,50	200,30	200,60
200	225	225	225,50	225,30	225,60

## DIMENSIUNI PENTRU FILETE CONFORM:

UNI ISO 7-1 - BS 21 - DIN 2999

Diametru nominal G	Diametru filet exterior	Pas	Inaltime filet mm	Lungime asamblare filet	
		nr de spire/1"			
3/8"	16,66	19	1,337	0,856	11,4
1/2"	20,95	14	1,814	1,162	15,0
3/4"	26,44	14	1,814	1,162	16,3
1"	33,25	11	2,309	1,479	19,1
1 1/4"	41,91	11	2,309	1,479	21,4
1 1/2"	47,80	11	2,309	1,479	21,4
2"	59,61	11	2,309	1,479	25,7
2 1/4"	65,71	11	2,309	1,479	-
2 1/2"	75,18	11	2,309	1,479	30,2
2 3/4"	81,53	11	2,309	1,479	-
3"	87,88	11	2,309	1,479	33,3
4"	113,03	11	2,309	1,479	39,3
5"	138,43	11	2,309	1,479	43,6
6"	163,83	11	2,309	1,479	43,6

## Instructiuni de asamblare

### GAMA METRICA PENTRU LIPIRE CU SOLVENT

Fitingurile TP din PVC-U se pot lipi unele de altele sau de teava din acelasi material in conformitate cu standardele antementionate. Un adeziv puternic de tip dens este recomandat, in special pentru lipirea de diametre mari unde tolerantele pot fi mari din cauza efectului de ovalizare.

In orice caz pentru a garanta o etansare perfecta nu depasiti grosimea stratului de adeziv de 0.6 mm cu un adeziv dens sau 0.3 mm cu un adeziv fluid.

Pentru a obtine o lipire perfecta este recomandat sa se urmeze strict instructiunile producatorului de adeziv. Aceste instructiuni sunt urmatoarele:

- indepartati toate urmele de grasime, ulei si praf atat de pe teava cat si de pe fitting folosind o carpa curata. (teava trebuie taiata drept si la un unghi de 90° folosind un dispozitiv adecvat);
- aplicati, folosind o pensula adecvata, un strat uniform atat fittingului cat si tevii formand un strat uniform de adeziv pe suprafata ce urmeaza a fi lipita;
- imediat (in 1 pana la 2 minute) introduceti fittingul pe teava;
- este recomandat ca adezivul care iese afara din imbinare sa fie indepartat rapid.

Este de asemenea recomandat ca piesele recent lipite sa nu fie supuse la incarcari mecanice. Instructiunile producatorului de adeziv specifica timpul dupa care piesele lipite se pot manipula si testa. La modul general niciuna dintre operatiunile acestea nu ar trebui sa aiba loc inainte de 24h.

### FILETATAE

Fitingurile filetate sau de tranzitie TP din PVC-UH se pot infileta unul cu celalalt sau cu fittinguri filetate din alte materiale dupa cateva reguli descrise mai jos.

Pentru a se obtine o insurubare usoara si o etansare perfecta este necesara utilizarea de ata sau banda de teflon (PTFE) de inalta calitate in cantitate suficienta conform recomandarilor producatorului.

Utilizarea de canepa este de obicei intalnita la fittinguri metalice si ar trebui evitata.

Informatiile prezentate aici sunt pur indicative, in consecinta recomandam conformarea la legile si reglementarile locale relevante in diferite tari. (ex: UNI 11242).









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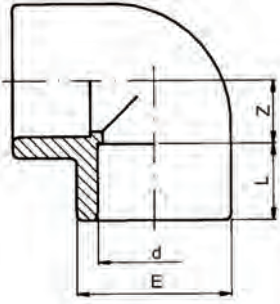
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# PVC-U fittinguri pentru lipire cu solvent

## Standard metric

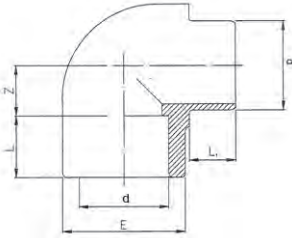
### Cot 90° PVC-U metric



d [mm]	d [inch]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	E [mm]
16		16	<b>RV0GOI160</b>	80	320	0.010	14.0	9	22
20		16	<b>RV0GOI200</b>	80	160	0.015	16.0	11	26
25		16	<b>RV0GOI250</b>	80	160	0.025	19.0	14	32
32		16	<b>RV0GOI320</b>	10	80	0.040	22.0	17	40
40		16	<b>RV0GOI400</b>	65	-	0.095	26.0	21	51
50		16	<b>RV0GOI500</b>	80	-	0.120	31.0	26	61
63		16	<b>RV0GOI630</b>	40	-	0.206	38.0	33	75
75	2 ½	16	<b>RV0GOI750</b>	50	-	0.386	44.0	39	89
90		16	<b>RV0GOI900</b>	30	-	0.622	51.0	47	106
110		16	<b>RV0GOI910</b>	17	-	1.078	61.0	57	129
125		16	<b>RV0GOI920</b>	12	-	1.390	69.0	66	145
140	5	16	<b>RV0GOI930</b>	8	-	2.050	76.0	72	163
160		16	<b>RV0GOI940</b>	5	-	3.105	86.0	82	190
200		16	<b>RV0GOI960</b>	28	-	4.800	106.0	102	228
225		10	<b>RV0GOI970</b>	18	-	6.600	119.0	115	255
250		10	<b>RV0GOI980</b>	1	-	12.100	131.0	188	286
315		10	<b>RV0GOI991</b>	1	-	23.500	164.0	239	358

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### Cot 90° T/M PVC-U metric



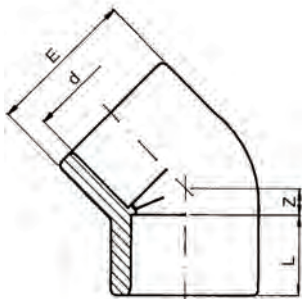
d [mm]	PN	Co d	SP	GP	kg	L [mm]	L1 [mm]	Z [mm]	E [mm]
50	16	<b>RV0GPI500</b>	75	-	0.155	31	31	26	61
63	16	<b>RV0GPI630</b>	40	-	0.250	38	38	33	75

PF 2 01 950 010



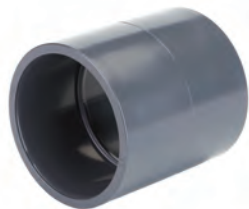


## Cot 45° PVC-U metric

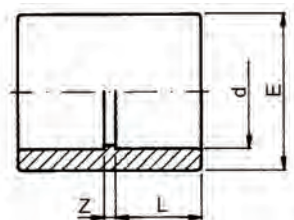


d [mm]	PN	d [inch]	Cod	SP	GP	kg	L [mm]	Z [mm]	E [mm]
16	16		RV0GYI160	100	400	0.010	14.0	5.0	23
20	16		RV0GYI200	100	300	0.017	16.0	5.0	28
25	16		RV0GYI250	100	200	0.029	19.0	6.0	34
32	16		RV0GYI320	10	100	0.047	22.0	8.0	42
40	16		RV0GYI400	80	-	0.076	26.0	10.0	51
50	16		RV0GYI500	100	-	0.110	31.0	12.0	61
63	16		RV0GYI630	50	-	0.180	38.0	14.0	75
75	16	2 ½	RV0GYI750	65	-	0.310	44.0	17.0	89
90	16		RV0GYI900	40	-	0.486	51.0	20.0	106
110	16		RV0GYI910	22	-	0.836	61.0	24.0	129
125	16		RV0GYI920	14	-	1.095	69.0	27.0	145
140	16	5	RV0GYI930	8	-	1.600	76.0	31.0	163
160	16		RV0GYI940	6	-	2.240	86.0	35.0	185
200	16		RV0GYI960	30	-	3.780	106.0	43.0	228
225	10		RV0GYI970	24	-	5.755	119.0	49.0	255
250	10		RV0GYI980	1	-	7.680	131.0	58.0	287
315	10		RV0GYI991	1	-	14.700	164.0	66.0	360

PF 2 01 950 010



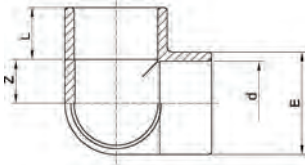
## Mufa PVC-U metric



d [mm]	d [inch]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	E [mm]
16		16	RV0MAI160	100	500	0.009	14.0	3	22
20		16	RV0MAI200	100	300	0.010	16.0	3	26
25		16	RV0MAI250	100	200	0.016	19.0	3	32
32		16	RV0MAI320	10	130	0.026	22.0	3	40
40		16	RV0MAI400	100	-	0.043	26.0	3	48
50		16	RV0MAI500	60	-	0.075	31.0	3	60
63		16	RV0MAI630	70	-	0.121	38.0	3	74
75	2 ½	16	RV0MAI750	48	-	0.226	44.0	4	89
90		16	RV0MAI900	50	-	0.361	51.0	5	106
110		16	RV0MAI910	36	-	0.625	61.0	6	129
125		16	RV0MAI920	24	-	0.840	69.0	7	145
140	5	16	RV0MAI930	14	-	1.100	76.0	8	162
160		16	RV0MAI940	9	-	1.400	86.0	8	184
200		16	RV0MAI960	4	-	2.560	106.0	10	227
225		10	RV0MAI970	2	-	3.540	119.0	10	252
250		10	RV0MAI980	1	-	5.250	131.0	10	287
315		10	RV0MAI991	1	-	10.000	164.0	12	355

PF 2 01 950 010



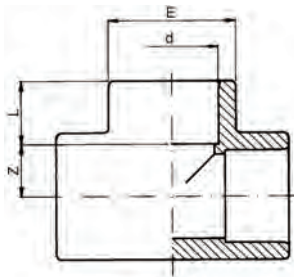


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## Cot pe trei directii PVC-U metric

d [mm]	PN	Cod	SP	GP	kg	E [mm]	L [mm]	Z [mm]
50	16	<b>RV0GTI500</b>	50	-	0.155	61	31	26
63	16	<b>RV0GTI630</b>	25	-	0.250	75	38	33

## Teu 90° PVC-U metric

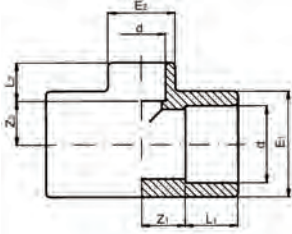


PF 2 01 950 010

d [mm]	d [inch]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	E [mm]
16		16	<b>RV0TII160</b>	100	300	0.017	14	9	22
20		16	<b>RV0TII200</b>	100	200	0.029	16	11	26
25		16	<b>RV0TII250</b>	10	100	0.032	19	14	32
32		16	<b>RV0TII320</b>	10	130	0.055	22	17	40
40		16	<b>RV0TII400</b>	45	-	0.127	26	21	51
50		16	<b>RV0TII500</b>	50	-	0.185	31	26	61
63		16	<b>RV0TII630</b>	25	-	0.315	38	33	75
75	2 1/2	16	<b>RV0TII750</b>	35	-	0.523	44	39	89
90		16	<b>RV0TII900</b>	20	-	0.830	51	47	106
110		16	<b>RV0TII910</b>	14	-	1.430	61	57	129
125		16	<b>RV0TII920</b>	8	-	1.960	69	66	148
140	5	16	<b>RV0TII930</b>	6	-	2.650	76	72	163
160		16	<b>RV0TII940</b>	4	-	4.350	86	82	190
200		16	<b>RV0TII960</b>	20	-	6.540	106	102	228
225		10	<b>RV0TII970</b>	15	-	8.630	119	115	255
250		10	<b>RV0TII980</b>	1	-	12.600	131	128	286
315		10	<b>RV0TII991</b>	1	-	23.400	161	162	360



## Teu redus 90° PVC-U metric



d-d [mm]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z1 [mm]	Z2 [mm]	E1 [mm]	E2 [mm]
20 - 16	16	RV0TRI20A	100	200	0.016	16	14	11	11	28.0	23.0
25 - 16	16	RV0TRI25A	10	120	0.041	19	14	14	14	34.0	23.0
25 - 20	16	RV0TRI25B	10	120	0.042	19	16	14	14	34.0	28.0
32 - 16	16	RV0TRI32A	10	140	0.068	22	14	17	17	42.0	23.0
32 - 20	16	RV0TRI32B	10	140	0.066	22	16	17	17	42.0	28.0
32 - 25	16	RV0TRI32C	10	140	0.070	22	19	17	17	42.0	34.0
40 - 20	16	RV0TRI40B	100	-	0.105	26	16	21	21	51.0	28.0
40 - 25	16	RV0TRI40C	100	-	0.111	26	19	21	21	51.0	34.0
40 - 32	16	RV0TRI40D	100	-	0.112	26	22	21	21	51.0	42.0
50 - 20	16	RV0TRI50B	50	-	0.156	31	16	26	26	61.0	28.0
50 - 25	16	RV0TRI50C	50	-	0.162	31	19	26	26	61.0	34.0
50 - 32	16	RV0TRI50D	50	-	0.162	31	22	26	26	61.0	42.0
50 - 40	16	RV0TRI50E	50	-	0.173	31	26	26	26	61.0	51.0
63 - 20	16	RV0TRI63B	30	-	0.268	38	16	33	33	75.0	28.0
63 - 25	16	RV0TRI63C	30	-	0.270	38	19	33	33	75.0	34.0
63 - 32	16	RV0TRI63D	30	-	0.274	38	22	33	33	75.0	42.0
63 - 40	16	RV0TRI63E	30	-	0.277	38	26	33	33	75.0	51.0
63 - 50	16	RV0TRI63F	30	-	0.278	38	31	33	33	75.0	61.0
75 - 32	16	RV0TRI75D	18	-	0.463	44	22	39	39	89.0	42.0
75 - 40	16	RV0TRI75E	45	-	0.460	44	26	39	39	89.0	51.0
75 - 50	16	RV0TRI75F	18	-	0.464	44	31	39	39	89.0	61.0
75 - 63	16	RV0TRI75G	30	-	0.478	44	38	39	39	89.0	75.0
90 - 40	16	RV0TRI90E	30	-	0.702	51	26	47	47	106.0	61.0
90 - 50	16	RV0TRI90F	28	-	0.703	51	31	47	47	106.0	61.0
90 - 63	16	RV0TRI90G	24	-	0.713	51	38	47	47	106.0	75.0
90 - 75	16	RV0TRI90H	24	-	0.731	51	44	47	47	106.0	89.0
110 - 50	16	RV0TRI91F	16	-	1.245	61	31	57	57	129.0	61.0
110 - 63	16	RV0TRI91G	16	-	1.250	61	38	57	57	129.0	75.0
110 - 75	16	RV0TRI91H	16	-	1.255	61	44	57	57	129.0	89.0
110 - 90	16	RV0TRI91I	14	-	1.297	61	51	57	57	129.0	106.0
125 - 63	16	RV0TRI92G	9	-	1.955	69	38	66	66	148.0	75.0
125 - 90	16	RV0TRI92I	9	-	1.740	69	51	66	66	148.0	106.0
125 - 110	16	RV0TRI92L	8	-	2.060	69	61	66	66	148.0	129.0
160 - 90	16	RV0TRI94I	4	-	3.790	86	51	82	82	190.0	106.0
160 - 110	16	RV0TRI94L	4	-	3.840	86	61	82	82	190.0	129.0

PF 2 01 950 010

## Teu colector PVC-U metric



E x D1 x D2 [mm]	PN	Cod	SP	GP	kg
90 x 63 x 40	16	RV0TDI900	18	-	0.500
140 x 110 x 50	16	RV0TDI930	6	-	0.995

E x D1 x D2 [mm]	E [mm]	E1 [mm]	E2 [mm]	D [mm]	D1 [mm]	D2 [mm]	Z [mm]	Z1 [mm]	Z2 [mm]	L [mm]	L2 [mm]	L3 [mm]	L4 [mm]
90 x 63 x 40	90	75.0	50.0	75	63	40	39	58	51	44	31	26	46
140 x 110 x 50	140	125.0	63.0	125	110	50	47	47	79	61	38	31	75

E x D1 x D2 [mm]	L5 [mm]	L6 [mm]
90 x 63 x 40	44	38
140 x 110 x 50	61	61

PF 2 01 950 010



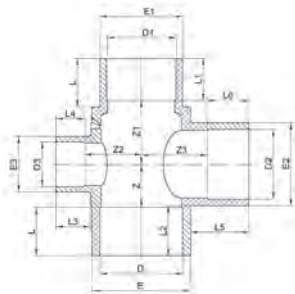


## Adaptor cruce PVC-U metric

E x D2 x D3 [mm]	PN	Cod	SP	GP	kg
90 x 63 x 40	16	<b>RVOTCI900</b>	12	-	0.570

E x D2 x D3 [mm]	E [mm]	E1 [mm]	E2 [mm]	E3 [mm]	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	Z [mm]	Z1 [mm]	z2 [mm]	z3 [mm]	L [mm]
90 x 63 x 40	90	75.0	75.0	50.0	75	63	63	40	39	58	51.5	60	44

E x D2 x D3 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]
90 x 63 x 40	38	46	31	26	53	38

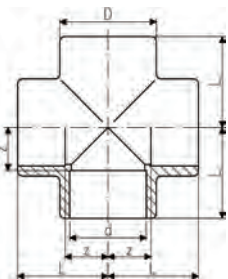


PF 2 01 950 010



## Cruce 90° PVC-U metric

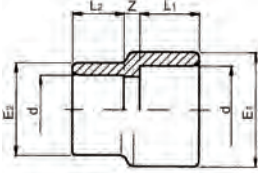
d [mm]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	D [mm]
20	16	<b>RVOCRI200</b>	120	-	0.030	16	11	27.5
25	16	<b>RVOCRI250</b>	80	-	0.060	19	14	33.5
32	16	<b>RVOCRI320</b>	130	-	0.105	22	17	42.0
40	16	<b>RVOCRI400</b>	35	-	0.175	26	21	51.0
50	16	<b>RVOCRI500</b>	35	-	0.265	31	26	61.0
63	16	<b>RVOCRI630</b>	18	-	0.505	38	33	75.0
75	10	<b>RVOCRI750</b>	24	-	0.735	44	40	91.0
90	10	<b>RVOCRI900</b>	18	-	1.180	51	46	106.0
110	10	<b>RVOCRI910</b>	9	-	1.588	61	56	129.5



PF 2 01 950 013



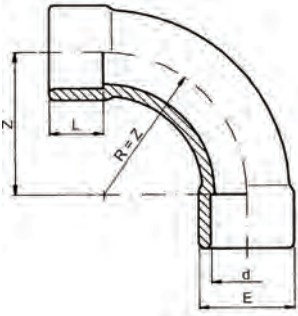
## Mufa redusa PVC-U metric



d-d [mm]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z [mm]	E1 [mm]	E2 [mm]
20 - 16	16	RV0MRI20A	270	-	0.010	16	14	6	28.0	23.0
25 - 20	16	RV0MRI25B	200	-	0.016	19	16	6	34.0	28.0
32 - 25	16	RV0MRI32C	150	-	0.027	22	19	6	42.0	34.0
40 - 32	16	RV0MRI40D	100	-	0.055	26	22	6	51.0	42.0
50 - 40	16	RV0MRI50E	60	-	0.081	31	26	6	61.0	51.0
63 - 50	16	RV0MRI63F	70	-	0.132	38	31	6	75.0	61.0
75 - 63	16	RV0MRI75G	50	-	0.215	44	38	4	89.0	75.0
90 - 75	16	RV0MRI90H	42	-	0.350	51	44	5	106.0	89.0
110 - 90	16	RV0MRI91I	48	-	0.550	61	51	6	129.0	106.0
125 - 110	16	RV0MRI92L	22	-	0.740	69	61	24	145.0	129.0
140 - 110	16	RV0MRI93L	18	-	0.970	76	61	25	160.0	129.0
140 - 125	16	RV0MRI93M	16	-	1.025	76	69	19	160.0	145.0
160 - 110	16	RV0MRI94L	12	-	1.220	86	61	24	181.0	130.0
160 - 140	16	RV0MRI94N	9	-	1.350	86	76	8	184.0	162.0
200 - 160	16	RV0MRI96O	6	-	2.360	106	86	24	227.0	184.0
225 - 200	10	RV0MRI97Q	4	-	3.220	119	106	10	255.0	227.0

PF 2 01 950 010

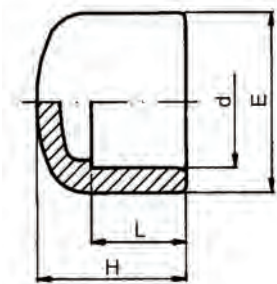
## Curba 90° PVC-U metric



d [mm]	d [inch]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	E [mm]
20		16	RV0CUI200	160	-	0.045	16	40	29
25		16	RV0CUI250	100	-	0.070	19	50	36
32		16	RV0CUI320	50	-	0.125	22	64	43
40		16	RV0CUI400	60	-	0.210	26	80	54
50		16	RV0CUI500	60	-	0.318	31	100	61
63		16	RV0CUI630	30	-	0.550	38	126	76
75	2 ½	16	RV0CUI750	20	-	1.015	44	150	94
90		16	RV0CUI900	12	-	1.787	51	180	113
110		16	RV0CUI910	6	-	2.888	61	220	137

PF 2 01 950 013

## Capac PVC-U metric



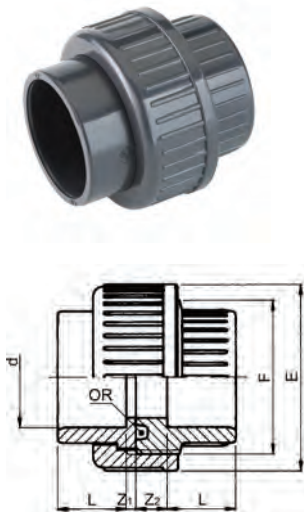
d [mm]	d [inch]	PN	Cod	SP	GP	kg	L [mm]	H [mm]	E [mm]
16		16	RV0CAI160	100	600	0.005	14.0	22	22
20		16	RV0CAI200	100	500	0.008	16.0	26	26
25		16	RV0CAI250	100	400	0.013	19.0	30	32
32		16	RV0CAI320	100	200	0.022	22.0	33	40
40		16	RV0CAI400	100	-	0.047	26.0	41	51
50		16	RV0CAI500	80	-	0.070	31.0	46	61
63		16	RV0CAI630	50	-	0.118	38.0	55	75
75	2 ½	16	RV0CAI750	25	-	0.187	44.0	64	89
90		16	RV0CAI900	20	-	0.301	51.0	73	106
110		16	RV0CAI910	25	-	0.510	61.0	87	129
125		16	RV0CAI920	36	-	0.665	69.0	98	145
140	5	16	RV0CAI930	30	-	0.915	76.0	108	162
160		16	RV0CAI940	18	-	1.195	86.0	123	182
200		16	RV0CAI960	8	-	2.115	106.0	149	228
225		10	RV0CAI970	6	-	2.835	119.0	165	256

PF 2 01 950 010





## Olandez cu o-ring PVC-U metric



d [mm]	d [inch]	PN	EPDM Cod	SP	GP	kg	L [mm]	Z1 [mm]	Z2 [mm]	E [mm]	F [inch]
16		16	RV0BOI160	100	300	0.025	14.0	3	10	34	¾
20		16	RV0BOI200	100	200	0.042	16.0	3	10	42	1
25		16	RV0BOI250	10	100	0.066	19.0	3	10	52	1 ¼
32		16	RV0BOI320	10	60	0.093	22.0	3	10	59	1 ½
40		16	RV0BOI400	100	-	0.160	26.0	3	12	73	2
50		16	RV0BOI500	60	-	0.200	31.0	3	14	82	2 ¼
63		16	RV0BOI630	36	-	0.355	38.0	3	18	100	2 ¾
75	2 ½	16	RV0BOI750	10	-	0.575	44.0	3	18	119	3 ½
90		16	RV0BOI900	15	-	0.765	51.0	5	18	134	4
110		16	RV0BOI910	18	-	1.285	61.0	5	18	163	5

PF 2 01 950 010

## Piulita pentru olandez PVC-U

Compatibil cu BOI/BOF/BOP

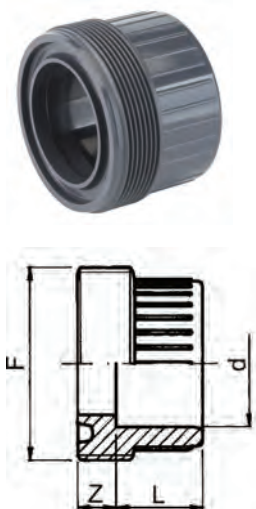


d [mm]	PN	Code	SP	GP	kg	d [mm]	H [mm]	F [inch]	E [mm]
16	16	RV0BGO160	450	-	0.013	22.1	21	¾	34
20	16	RV0BGO200	400	-	0.015	27.6	23	1	42
25	16	RV0BGO250	170	-	0.025	36.1	25	1 ¼	52
32	16	RV0BGO320	180	-	0.035	41.6	27	1 ½	59
40	16	RV0BGO400	100	-	0.060	53.1	30	2	72
50	16	RV0BGO500	125	-	0.080	59.1	34	2 ¼	79
63	16	RV0BGO630	100	-	0.130	74.1	38	2 ¾	96
75	16	RV0BGO750	50	-	0.200	92.6	45	3 ½	119
90	16	RV0BGO900	80	-	0.285	105.1	52	4	134
110	16	RV0BGO910	50	-	0.445	129.2	60	5	163

PF 2 01 950 010

## Mufa pentru olandez PVC-U

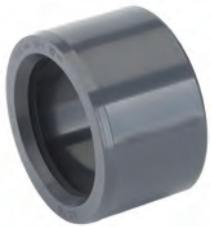
Compatibil cu BOI



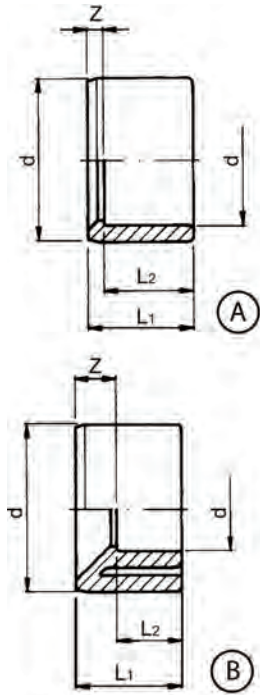
d [mm]	d [inch]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	F [inch]
16		16	RV0BFI160	600	-	0.009	14.0	10.0	¾
20		16	RV0BFI200	350	-	0.015	16.0	10.0	1
25		16	RV0BFI250	250	-	0.024	19.0	10.0	1 ¼
32		16	RV0BFI320	160	-	0.034	22.0	10.0	1 ½
40		16	RV0BFI400	75	-	0.057	26.0	12.0	2
50		16	RV0BFI500	50	-	0.078	31.0	14.0	2 ¼
63		16	RV0BFI630	60	-	0.134	38.0	18.0	2 ¾
75	2 ½	16	RV0BFI750	125	-	0.205	44.0	18.0	3 ½
90		16	RV0BFI900	80	-	0.270	51.0	18.0	4
110		16	RV0BFI910	48	-	0.465	61.0	18.0	5

PF 2 01 950 010





## Reductie scurta PVC-U metric



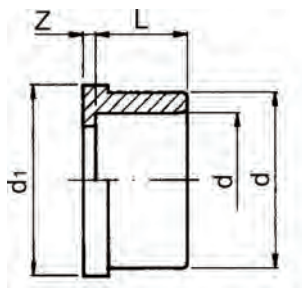
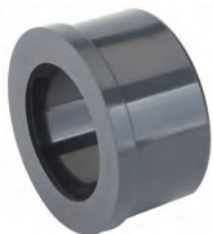
d-d [mm]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z [mm]	
A 20 - 16	16	RVORCI20A	100	800	0.003	16	14	2	
B 25 - 16	16	RVORCI25A	100	600	0.008	19	14	5	
A 25 - 20	16	RVORCI25B	100	600	0.005	19	16	3	
B 32 - 16	16	RVORCI32A	100	400	0.015	22	14	8	
B 32 - 20	16	RVORCI32B	100	400	0.015	22	16	6	
A 32 - 25	16	RVORCI32C	100	400	0.010	22	19	3	
B 40 - 20	16	RVORCI40B	100	200	0.025	26	16	10	
B 40 - 25	16	RVORCI40C	100	200	0.027	26	19	7	
A 40 - 32	16	RVORCI40D	100	200	0.016	26	22	4	
B 50 - 25	16	RVORCI50C	180	-	0.045	31	19	12	
B 50 - 32	16	RVORCI50D	180	-	0.042	31	22	9	
A 50 - 40	16	RVORCI50E	180	-	0.030	31	26	5	
B 63 - 32	16	RVORCI63D	100	-	0.083	38	22	16	
B 63 - 40	16	RVORCI63E	100	-	0.081	38	26	12	
A 63 - 50	16	RVORCI63F	100	-	0.062	38	31	7	
B 75 - 40	16	RVORCI75E	60	-	0.120	44	26	18	
B 75 - 50	16	RVORCI75F	60	-	0.122	44	31	13	
A 75 - 63	16	RVORCI75G	60	-	0.082	44	38	6	
B 90 - 50	16	RVORCI90F	30	-	0.210	51	31	20	
B 90 - 63	16	RVORCI90G	30	-	0.195	51	38	13	
A 90 - 75	16	RVORCI90H	30	-	0.140	51	44	7	
B 110 - 63	16	RVORCI91G	20	-	0.365	61	38	23	
B 110 - 75	16	RVORCI91H	20	-	0.365	61	44	17	
A 110 - 90	16	RVORCI91I	20	-	0.273	61	51	10	
B 125 - 75	16	RVORCI92H	30	-	0.412	69	44	25	
B 125 - 90	16	RVORCI92I	30	-	0.450	69	51	18	
A 125 - 110	16	RVORCI92L	30	-	0.273	69	61	8	
B 140 - 90	16	RVORCI93I	22	-	0.550	76	51	25	
B 140 - 110	16	RVORCI93L	22	-	0.475	76	61	15	
A 140 - 125	16	RVORCI93M	22	-	0.340	76	69	7	
B 160 - 110	16	RVORCI94L	13	-	0.795	86	61	25	
B 160 - 125	16	RVORCI94M	13	-	0.725	86	69	17	
A 160 - 140	16	RVORCI94N	13	-	0.545	86	76	10	
A 180 - 160	16	RVORCI95O	20	-	0.710	96	86	10	
A 200 - 160	16	RVORCI96O	15	-	1.645	106	86	10	
A 200 - 180	16	RVORCI96P	15	-	0.870	106	96	10	
B 225 - 160	10	RVORCI97O	9	-	2.300	119	86	33	
A 225 - 200	10	RVORCI97Q	9	-	1.360	119	106	13	
B 250 - 160	10	RVORCI98O	1	-	3.300	134	87	47	
B 250 - 200	10	RVORCI98Q	1	-	2.735	134	107	27	
A 250 - 225	10	RVORCI98R	1	-	1.700	132	120	12	
B 315 - 200	10	RVORCI991Q	1	-	5.000	165	107	58	
B 315 - 225	10	RVORCI991R	1	-	4.500	165	132	33	
B 315 - 250	10	RVORCI991S	1	-	0.001	165	132	33	

PF 2 01 950 010



## Capat pentru olandez PVC-U

Compatibil cu BOI/BOP

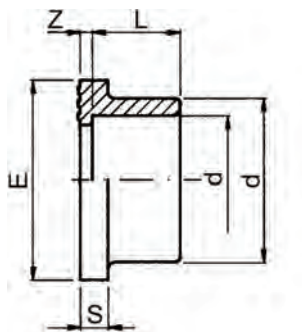


PF 2 01 950 010

d [mm]	d [inch]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	d [mm]	d1 [mm]
16		16	RV0BLI160	100	1000	0.006	14.0	3.0	22.0	24.0
20		16	RV0BLI200	100	500	0.009	16.0	3.0	27.5	30.1
25		16	RV0BLI250	100	300	0.016	19.0	3.0	36.0	38.8
32		16	RV0BLI320	215	-	0.022	22.0	3.0	41.5	44.7
40		16	RV0BLI400	120	-	0.040	26.0	3.0	53.0	56.5
50		16	RV0BLI500	110	-	0.041	31.0	3.0	59.0	62.6
63		16	RV0BLI630	130	-	0.080	38.0	3.0	74.0	78.4
75	2 ½	16	RV0BLI750	165	-	0.150	44.0	3.0	92.5	97.2
90		16	RV0BLI900	100	-	0.195	51.0	5.0	105.0	110.0
110		16	RV0BLI910	66	-	0.350	61.0	5.0	129.0	135.4

## Adaptor flansa zimtat PVC-U metric

• DN indica diametrul nominal al tevii de PVC



PF 2 01 950 010

d [mm]	d [inch]	DN [mm]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	d [mm]	S [mm]	E [mm]
20		15	16	RV0QRI200	10	360	0.010	16.0	3.0	27	6	34
25		20	16	RV0QRI250	10	300	0.017	19.0	3.0	33	7	41
32		25	16	RV0QRI320	10	200	0.026	22.0	3.0	41	7	50
40		32	16	RV0QRI400	140	-	0.040	26.0	3.0	50	8	61
50		40	16	RV0QRI500	140	-	0.060	31.0	3.0	61	8	73
63		50	16	RV0QRI630	90	-	0.105	38.0	3.0	76	9	90
75	2 ½	65	16	RV0QRI750	50	-	0.170	44.0	3.0	90	10	106
90		80	16	RV0QRI900	38	-	0.279	51.0	5.0	108	11	125
110		100	16	RV0QRI910	24	-	0.444	61.0	5.0	131	12	150
125		110	16	RV0QRI920	25	-	0.560	69.0	5.0	147	13	168
140	5	125	16	RV0QRI930	20	-	0.750	76.0	5.0	165	14	188
160		150	16	RV0QRI940	15	-	1.030	86.0	5.0	188	16	213
200		200	16	RV0QRI960	8	-	2.000	106.0	7.0	232	18	254
225		200	10	RV0QRI970	6	-	1.775	119.0	7.0	248	19	274
250		250	10	RV0QRI980	1	-	2.325	131.0	10.0	273	20	307
315		300	10	RV0QRI991	1	-	4.834	164.0	11.0	346	27	379

## Garnitura plata

Compatibil cu RV0QRI



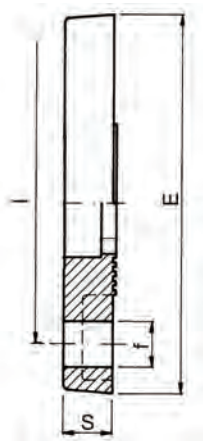
d [mm]	EPDM Cod	SP	GP
16	2GRNPD160	-	-
20	2GRNPD200	-	-
25	2GRNPD250	-	-
32	2GRNPD320	-	-
40	2GRNPD400	-	-
50	2GRNPD500	-	-
63	2GRNPD630	-	-
75	2GRNPD750	-	-
90	2GRNPD900	-	-
110	2GRNPD910	-	-
125	2GRNPD920	-	-
140	2GRNPD930	-	-
160	2GRNPD940	-	-
200	2GRNPD960	-	-
225	2GRNPD970	-	-



## Flansa libera PVC-U metric

Gaurile suruburilor pentru PN10

- DN indica diametrul nominal al tevii de PVC
- (\*\*\*) Flansa speciala cu gaurile suruburilor pentru DN 140

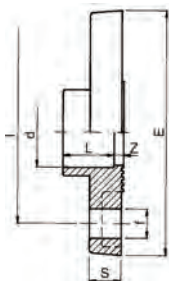


d [mm]	DN [mm]	PN	Cod	SP	GP	kg	d [mm]	E [mm]	S [mm]	I [mm]	f [mm]
20	15	16	<b>RV0FLI200</b>	120	-	0.067	28	95	11	65	11
25	20	16	<b>RV0FLI250</b>	100	-	0.090	34	105	12	75	12
32	25	16	<b>RV0FLI320</b>	50	-	0.116	42	115	14	85	14
40	32	16	<b>RV0FLI400</b>	35	-	0.185	51	140	15	100	15
50	40	16	<b>RV0FLI500</b>	70	-	0.215	62	150	16	110	16
63	50	16	<b>RV0FLI630</b>	45	-	0.300	78	165	18	125	18
75	65	16	<b>RV0FLI750</b>	50	-	0.355	92	185	19	145	19
90	80	16	<b>RV0FLI900</b>	38	-	0.435	110	200	20	160	20
110	100	16	<b>RV0FLI910</b>	24	-	0.520	133	220	22	180	22
125	110	16	<b>RV0FLI920</b>	25	-	0.570	149	230	24	190	24
** 125	125	16	<b>RV0FAI920</b>	20	-	0.819	149	250	26	210	26
140	125	16	<b>RV0FLI930</b>	20	-	0.700	167	250	26	210	26
160	150	16	<b>RV0FLI940</b>	15	-	0.975	190	285	28	240	28
200	200	16	<b>RV0FLI960</b>	8	-	1.230	235	340	30	295	30
225	200	16	<b>RV0FLI970</b>	6	-	1.315	250	340	30	295	30
250	250	16	<b>RV0FLI980</b>	1	-	1.800	280	395	34	350	22
315	300	16	<b>RV0FLI991</b>	1	-	3.180	349	445	31	400	22

PF 2 01 950 010

## Capat flansa PVC-U metric

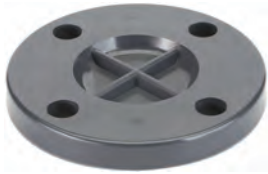
- DN indica diametrul nominal al tevii de PVC



d [mm]	d [inch]	DN [mm]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	E [mm]	S [mm]	I [mm]	f [mm]
20		15	16	<b>RV0FFI200</b>	100	-	0.070	16.0	4.5	95	11	65	14
25		20	16	<b>RV0FFI250</b>	70	-	0.105	19.0	4.5	105	12	75	14
32		25	16	<b>RV0FFI320</b>	120	-	0.145	22.0	4.5	115	14	85	14
40		32	16	<b>RV0FFI400</b>	60	-	0.220	26.0	4.5	140	15	100	18
50		40	16	<b>RV0FFI500</b>	50	-	0.270	31.0	4.5	150	16	110	18
63		50	16	<b>RV0FFI630</b>	40	-	0.380	38.0	4.5	165	18	125	18
75	2 ½	65	16	<b>RV0FFI750</b>	20	-	0.505	44.0	6.0	185	19	145	18
90		80	16	<b>RV0FFI900</b>	15	-	0.685	51.0	7.0	200	20	160	18
110		100	16	<b>RV0FFI910</b>	10	-	0.940	61.0	8.0	220	22	180	18
125		110	16	<b>RV0FFI920</b>	6	-	1.033	69.0	7.0	230	24	190	18
140	5	125	16	<b>RV0FFI930</b>	6	-	1.335	76.0	7.0	250	26	210	18
160		140	16	<b>RV0FFI940</b>	5	-	1.853	86.0	7.0	285	28	240	18

PF 2 01 950 010

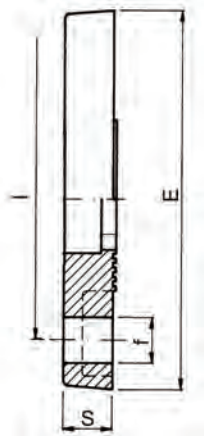




## Flansa oarba PVC-U metric

Gaurile suruburilor pentru PN10

• DN indica diametrul nominal al tevii de PVC



d [mm]	DN [mm]	PN	Cod	SP	GP	kg	E [mm]	S [mm]	I [mm]	f [mm]
20	15	16	RV0FCI200	120	-	0.073	95	11	65	14
25	20	16	RV0FCI250	100	-	0.095	105	12	75	14
32	25	16	RV0FCI320	140	-	0.135	115	14	85	14
40	32	16	RV0FCI400	100	-	0.220	140	15	100	18
50	40	16	RV0FCI500	70	-	0.270	150	16	110	18
63	50	16	RV0FCI630	50	-	0.370	165	18	125	18
75	65	16	RV0FCI750	45	-	0.495	185	19	145	18
90	80	16	RV0FCI900	38	-	0.630	200	20	160	18
110	100	16	RV0FCI910	25	-	0.840	220	22	180	18
125	110	16	RV0FCI920	20	-	0.890	230	24	190	18
140	125	16	RV0FCI930	18	-	1.000	250	26	210	18
160	150	16	RV0FCI940	14	-	1.620	285	28	240	22
200	200	16	RV0FCI960	8	-	2.480	340	30	295	22
225	200	16	RV0FCI970	8	-	2.480	340	30	295	22

PF 2 01 950 010



## Mufa lunga pentru reparatie PVC-U metric

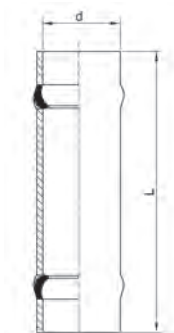


d [mm]	PN	Cod	SP	GP	kg	L [mm]	S [mm]
63	10	RV0MYI630	16	-	0.905	500	3.0
75	10	RV0MYI750	16	-	1.535	500	3.6
90	10	RV0MYI900	12	-	2.190	500	4.3
110	10	RV0MYI910	8	-	1.642	500	5.3
125	10	RV0MYI920	6	-	2.565	500	6.0
140	10	RV0MYI930	4	-	3.480	500	6.7
160	10	RV0MYI940	4	-	3.240	500	7.7
200	10	RV0MYI960	15	-	6.168	600	9.6
225	10	RV0MYI970	15	-	6.175	650	10.8

PF 2 01 950 013



## Mufa scurta pentru reparatie PVC-U metric



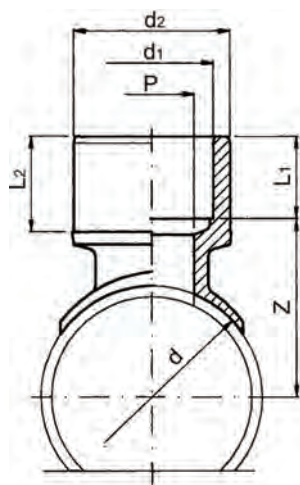
d [mm]	PN	Cod	SP	GP	kg	L [mm]	S [mm]
63	10	RV0MXI630	36	-	0.680	350	3.0
75	10	RV0MXI750	24	-	0.500	350	3.6
90	10	RV0MXI900	16	-	0.763	350	4.3
110	10	RV0MXI910	12	-	1.100	350	5.3
125	10	RV0MXI920	8	-	1.730	350	6.0
140	10	RV0MXI930	6	-	2.480	350	6.7
160	10	RV0MXI940	6	-	2.300	350	7.7
200	10	RV0MXI960	2	-	5.100	400	9.6
225	10	RV0MXI970	12	-	6.470	500	10.8

PF 2 01 950 013





## Sa derivatie T/M PVC-U metric

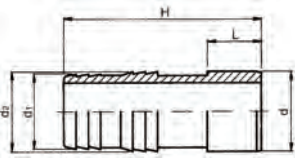


d [mm]	d1 [mm]	d2 [mm]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z [mm]	P [mm]
32	20	25	10	DV0DEI32B	500	-	0.012	16	19	32	14
40	20	25	10	DV0DEI40B	500	-	0.012	16	19	38	14
40	25	32	10	DV0DEI40C	300	-	0.021	19	22	38	19
50	20	25	10	DV0DEI50B	500	-	0.012	16	19	43	14
50	25	32	10	DV0DEI50C	300	-	0.021	19	22	43	19
50	32	40	10	DV0DEI50D	170	-	0.035	22	26	45	24
63	20	25	10	DV0DEI63B	500	-	0.013	16	19	49	14
63	25	32	10	DV0DEI63C	300	-	0.021	19	22	50	19
63	32	40	10	DV0DEI63D	170	-	0.035	22	26	51	24
63	40	50	10	DV0DEI63E	110	-	0.058	26	31	55	30
75	20	25	10	DV0DEI75B	500	-	0.013	16	19	55	14
75	25	32	10	DV0DEI75C	300	-	0.021	19	22	56	19
75	32	40	10	DV0DEI75D	350	-	0.034	22	26	57	24
75	40	50	10	DV0DEI75E	200	-	0.058	26	31	61	30
75	50	63	10	DV0DEI75F	110	-	0.101	31	38	63	38
90	20	25	10	DV0DEI90B	500	-	0.013	16	19	63	14
90	25	32	10	DV0DEI90C	300	-	0.023	19	22	63	19
90	32	40	10	DV0DEI90D	400	-	0.036	22	26	65	24
90	40	50	10	DV0DEI90E	200	-	0.058	26	31	68	30
90	50	63	10	DV0DEI90F	110	-	0.108	31	38	71	38
90	63	75	10	DV0DEI90G	70	-	0.142	38	44	70	48
110	20	25	10	DV0DEI91B	500	-	0.013	16	16	73	14
110	25	32	10	DV0DEI91C	300	-	0.023	19	22	73	19
110	32	40	10	DV0DEI91D	400	-	0.034	22	26	75	24
110	40	50	10	DV0DEI91E	200	-	0.058	26	31	78	30
110	50	63	10	DV0DEI91F	110	-	0.108	31	38	81	38
110	63	75	10	DV0DEI91G	70	-	0.137	38	44	80	48
125	25	32	10	DV0DEI92C	300	-	0.023	19	22	81	19
125	32	40	10	DV0DEI92D	400	-	0.036	22	26	82	24
125	40	50	10	DV0DEI92E	200	-	0.058	26	31	86	30
125	50	63	10	DV0DEI92F	110	-	0.108	31	38	88	38
125	63	75	10	DV0DEI92G	70	-	0.137	38	44	88	48
140	32	40	10	DV0DEI93D	400	-	0.036	22	26	90	24
140	40	50	10	DV0DEI93E	200	-	0.059	26	31	93	30
140	50	63	10	DV0DEI93F	110	-	0.108	31	38	96	38
140	63	75	10	DV0DEI93G	70	-	0.140	38	44	95	48
160	25	32	10	DV0DEI94C	300	-	0.023	19	22	98	19
160	32	40	10	DV0DEI94D	400	-	0.036	22	26	100	24
160	40	50	10	DV0DEI94E	200	-	0.062	26	31	103	30
160	50	63	10	DV0DEI94F	110	-	0.108	31	38	106	38
160	63	75	10	DV0DEI94G	70	-	0.137	38	44	105	48
200	32	40	10	DV0DEI96D	400	-	0.036	22	26	120	24
200	40	50	10	DV0DEI96E	200	-	0.062	26	31	123	30
200	50	63	10	DV0DEI96F	110	-	0.108	31	38	126	38
200	63	75	10	DV0DEI96G	70	-	0.137	38	44	125	48
225	50	63	10	DV0DEI97F	110	-	0.108	31	38	138	38
225	63	75	10	DV0DEI97G	70	-	0.137	38	44	138	48
250	50	63	10	DV0DEI98F	110	-	0.108	31	38	151	38
250	63	75	10	DV0DEI98G	70	-	0.137	38	44	150	48
315	50	63	10	DV0DEI99F	110	-	0.108	31	38	183	38
315	63	75	10	DV0DEI99G	70	-	0.137	38	44	183	48

PF 2 01 950 011



## Racord furtun lipire PVC-U



PF 2 01 950 010

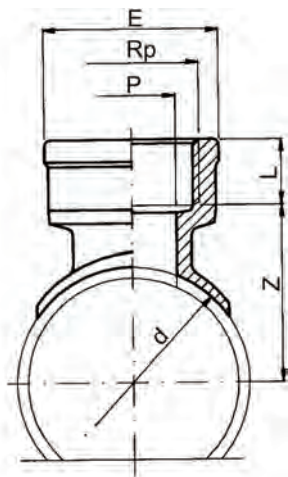
d-d-d [mm]	PN	Cod	SP	GP	kg	L [mm]	H [mm]	d1 [mm]	d2 [mm]
16 - 18 - 16	16	<b>RV0PGI160</b>	100	400	0.007	14.0	60	16	18
20 - 22 - 20	16	<b>RV0PGI200</b>	100	300	0.013	16.0	67	20	22
25 - 27 - 25	16	<b>RV0PGI250</b>	100	200	0.021	19.0	74	25	27
32 - 32 - 30	16	<b>RV0PGI320</b>	10	130	0.032	22.0	80	30	32
40 - 42 - 40	16	<b>RV0PGI400</b>	100	-	0.055	26.0	92	40	42
50 - 52 - 50	16	<b>RV0PGI500</b>	100	-	0.081	31.0	101	50	52
63 - 64 - 60	16	<b>RV0PGI630</b>	60	-	0.142	38.0	111	60	64





# PVC-U fittinguri filetate B.S.P.

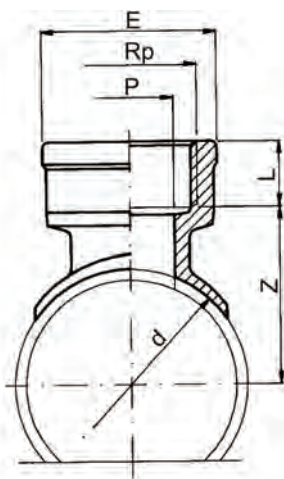
## Sa derivatie cu F.I. PVC-U



d [mm]	FI [inch]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	P [mm]	E [mm]
32	1/4	10	DV0DEF32Z	500	-	0.010	12.9	28.9	11	24.2
32	3/8	10	DV0DEF32A	500	-	0.015	14.0	28.0	11	24.2
32	1/2	10	DV0DEF32B	500	-	0.015	15.0	33.0	14	30.0
40	1/4	10	DV0DEF40Z	500	-	0.010	12.9	32.9	11	24.2
40	3/8	10	DV0DEF40A	500	-	0.009	14.0	32.0	11	24.2
40	1/2	10	DV0DEF40B	500	-	0.015	15.0	37.0	14	30.0
40	3/4	10	DV0DEF40C	270	-	0.021	16.3	38.0	19	36.0
50	1/4	10	DV0DEF50Z	500	-	0.010	12.9	37.9	11	24.2
50	3/8	10	DV0DEF50A	500	-	0.015	14.0	37.0	11	24.2
50	1/2	10	DV0DEF50B	500	-	0.015	15.0	42.0	14	30.0
50	3/4	10	DV0DEF50C	270	-	0.024	16.3	43.0	19	36.0
50	1	10	DV0DEF50D	170	-	0.036	19.1	44.0	24	45.0
63	1/4	10	DV0DEF63Z	500	-	0.010	12.9	44.4	11	24.2
63	3/8	10	DV0DEF63A	500	-	0.015	14.0	43.5	11	24.2
63	1/2	10	DV0DEF63B	500	-	0.015	15.0	48.0	14	30.0
63	3/4	10	DV0DEF63C	270	-	0.023	16.3	49.0	19	36.0
63	1	10	DV0DEF63D	170	-	0.039	19.1	50.0	24	45.0
63	1 1/4	10	DV0DEF63E	110	-	0.060	21.4	52.0	30	53.0
75	1/4	10	DV0DEF75Z	500	-	0.010	12.9	50.4	11	24.2
75	3/8	10	DV0DEF75A	500	-	0.016	14.0	49.5	11	24.2
75	1/2	10	DV0DEF75B	500	-	0.016	15.0	58.0	38	64.0
75	3/4	10	DV0DEF75C	270	-	0.023	16.3	55.0	19	36.0
75	1	10	DV0DEF75D	170	-	0.036	19.1	56.0	24	45.0
75	1 1/4	10	DV0DEF75E	65	-	0.060	21.4	58.0	30	53.0
75	1 1/2	10	DV0DEF75F	120	-	0.095	21.4	58.0	38	64.0
90	1/4	10	DV0DEF90Z	500	-	0.010	12.9	57.9	11	24.2
90	3/8	10	DV0DEF90A	500	-	0.013	14.0	57.0	11	24.2
90	1/2	10	DV0DEF90B	500	-	0.013	15.0	62.0	14	30.0
90	3/4	10	DV0DEF90C	270	-	0.023	16.3	63.0	19	36.0
90	1	10	DV0DEF90D	170	-	0.037	19.1	64.0	24	45.0
90	1 1/4	10	DV0DEF90E	110	-	0.060	21.4	66.0	30	53.0
90	1 1/2	10	DV0DEF90F	120	-	0.095	21.4	66.0	38	64.0
90	2	10	DV0DEF90G	90	-	0.105	25.7	67.0	48	78.0
110	1/2	10	DV0DEF91B	500	-	0.010	15.0	72.0	14	30.0
110	3/4	10	DV0DEF91C	270	-	0.023	16.3	73.0	19	36.0
110	1	10	DV0DEF91D	170	-	0.037	19.1	74.0	24	45.0
110	1 1/4	10	DV0DEF91E	110	-	0.060	21.4	76.0	30	53.0
110	1 1/2	10	DV0DEF91F	120	-	0.095	21.4	76.0	38	64.0
110	2	10	DV0DEF91G	90	-	0.105	25.7	77.0	48	78.0
125	1/2	10	DV0DEF92B	500	-	0.016	15.0	79.0	14	30.0
125	3/4	10	DV0DEF92C	270	-	0.025	16.3	80.0	19	36.0
125	1	10	DV0DEF92D	170	-	0.036	19.1	81.0	24	45.0
125	1 1/4	10	DV0DEF92E	110	-	0.060	21.4	83.0	30	53.0
125	1 1/2	10	DV0DEF92F	120	-	0.095	21.4	83.0	38	64.0
125	2	10	DV0DEF92G	90	-	0.105	25.7	84.0	48	78.0
140	1/2	10	DV0DEF93B	500	-	0.016	15.0	87.0	14	30.0
140	3/4	10	DV0DEF93C	270	-	0.023	16.3	88.0	19	36.0
140	1	10	DV0DEF93D	170	-	0.036	19.1	89.0	24	45.0
140	1 1/4	10	DV0DEF93E	60	-	0.060	21.4	91.0	30	53.0
140	1 1/2	10	DV0DEF93F	120	-	0.095	21.4	91.0	38	64.0
140	2	10	DV0DEF93G	90	-	0.105	25.7	95.0	48	78.0
160	3/4	10	DV0DEF94C	270	-	0.024	16.3	98.0	19	36.0
160	1	10	DV0DEF94D	170	-	0.036	19.1	99.0	24	45.0
160	1 1/4	10	DV0DEF94E	110	-	0.060	21.4	101.0	30	53.0
160	1 1/2	10	DV0DEF94F	120	-	0.095	21.4	101.0	38	64.0
160	2	10	DV0DEF94G	90	-	0.105	25.7	102.0	48	78.0
200	1	10	DV0DEF96D	170	-	0.036	19.1	118.0	2	45.0
200	1 1/4	10	DV0DEF96E	60	-	0.060	21.4	121.0	30	53.0
200	1 1/2	10	DV0DEF96F	120	-	0.095	21.4	121.0	38	64.0
200	2	10	DV0DEF96G	90	-	0.125	25.7	122.0	48	78.0
225	1 1/4	10	DV0DEF97E	110	-	0.036	21.4	133.0	30	53.0
225	1 1/2	10	DV0DEF97F	120	-	0.060	21.4	133.0	38	64.0

table continued next page

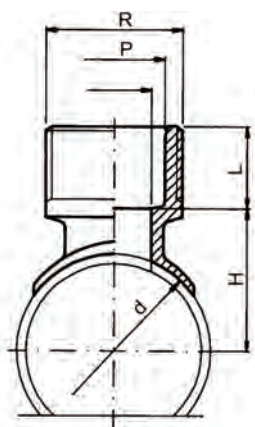




d	FI	PN	Cod	SP	GP	kg	L	Z	P	E
[mm]	[inch]						[mm]	[mm]	[mm]	[mm]
225	2	10	DV0DEF97G	90	-	0.095	25.7	134.0	48	78.0
250	1 1/4	10	DV0DEF98E	110	-	0.105	21.4	146.0	30	53.0
250	1 1/2	10	DV0DEF98F	120	-	0.095	21.4	146.0	38	64.0
250	2	10	DV0DEF98G	90	-	0.105	25.7	147.0	48	78.0
315	1 1/2	10	DV0DEF99F	120	-	0.095	21.4	149.0	38	64.0
315	2	10	DV0DEF99G	90	-	0.105	25.7	180.0	48	78.0

PF 2 01 950 011

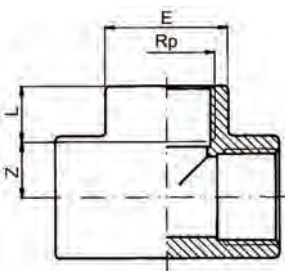
## Sa derivatie cu F.E. PVC-U



d	FE	PN	Cod	SP	GP	kg	L	H	P
[mm]	[inch]						[mm]	[mm]	[mm]
32	1/2	10	DV0DMF32B	500	-	0.010	15.0	33	14
40	1/2	10	DV0DMF40B	350	-	0.012	15.0	37	14
50	1/2	10	DV0DMF50B	350	-	0.012	15.0	42	14
50	1	10	DV0DMF50D	170	-	0.035	19.1	44	24
63	1/2	10	DV0DMF63B	500	-	0.013	15.0	48	14
63	1	10	DV0DMF63D	170	-	0.037	19.1	50	24
75	1/2	10	DV0DMF75B	500	-	0.013	15.0	54	14
75	1	10	DV0DMF75D	400	-	0.036	19.1	56	24
75	1 1/2	10	DV0DMF75F	110	-	0.103	21.4	58	38
90	1/2	10	DV0DMF90B	500	-	0.013	15.0	62	14
90	1	10	DV0DMF90D	400	-	0.036	19.1	64	24
90	1 1/2	10	DV0DMF90F	110	-	0.065	21.4	66	38
90	2	10	DV0DMF90G	110	-	0.120	25.7	67	48
110	1/2	10	DV0DMF91B	500	-	0.013	15.0	72	14
110	1	10	DV0DMF91D	400	-	0.036	19.1	74	24
110	1 1/2	10	DV0DMF91F	110	-	0.063	21.4	76	38
110	2	10	DV0DMF91G	110	-	0.120	25.7	77	48
125	1 1/2	10	DV0DMF92F	110	-	0.108	21.4	83	38
125	2	10	DV0DMF92G	110	-	0.120	25.7	84	48
140	1 1/2	10	DV0DMF93F	110	-	0.060	21.4	91	38
140	2	10	DV0DMF93G	110	-	0.120	25.7	92	48

PF 2 01 950 011

## Teu filetat 90° F.I. PVC-U

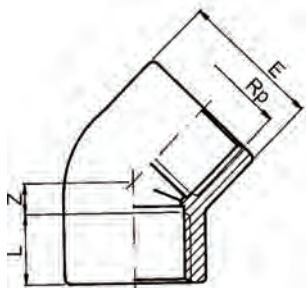


FI	PN	Cod	SP	GP	kg	L	Z	E
[inch]						[mm]	[mm]	[mm]
3/8	16	RV0TIF160	10	280	0.018	11.4	11.6	23
1/2	16	RV0TIF200	10	150	0.029	15.0	12.0	28
3/4	16	RV0TIF250	10	100	0.050	16.3	16.7	34
1	16	RV0TIF320	10	130	0.076	19.1	19.9	42
1 1/4	16	RV0TIF400	90	-	0.125	21.4	25.6	51
1 1/2	16	RV0TIF500	50	-	0.240	21.4	35.6	61
2	16	RV0TIF630	25	-	0.435	25.7	45.3	75
1 1/2	16	RV0TIF750	35	-	0.575	30.2	52.8	89
3	16	RV0TIF900	24	-	0.965	33.3	64.7	106
4	16	RV0TIF910	14	-	1.310	39.3	75.7	129

PF 2 01 951 010



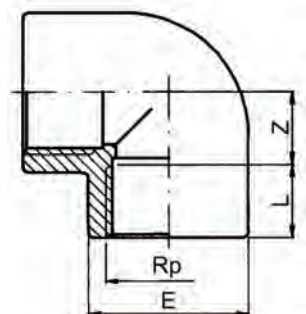
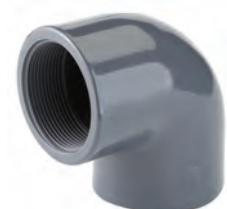
## Cot filetat 45° F.I. PVC-U



PF 2 01 951 010

FI [inch]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	E [mm]
3/8	16	RV0GYF160	10	400	0.010	11.4	11.6	23
1/2	16	RV0GYF200	10	260	0.018	15.0	12.0	28
3/4	16	RV0GYF250	10	150	0.031	16.3	16.7	34
1	16	RV0GYF320	10	100	0.051	19.1	19.9	42
1 1/4	16	RV0GYF400	80	-	0.075	21.4	25.6	51
1 1/2	16	RV0GYF500	100	-	0.155	21.4	35.6	61
2	16	RV0GYF630	50	-	0.275	25.7	45.3	75
1 1/2	16	RV0GYF750	65	-	0.360	30.2	52.8	89
3	16	RV0GYF900	40	-	0.620	33.3	64.7	106
4	16	RV0GYF910	22	-	0.830	39.3	78.7	129

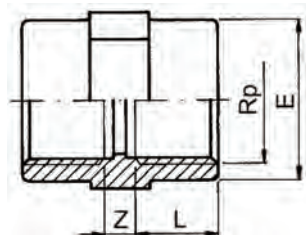
## Cot filetat 90° F.I. PVC-U



PF 2 01 951 010

FI [inch]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	E [mm]
3/8	16	RV0GOF160	10	360	0.015	11.4	44.6	23
1/2	16	RV0GOF200	10	200	0.022	15.0	12.0	28
3/4	16	RV0GOF250	10	160	0.037	16.3	16.7	34
1	16	RV0GOF320	10	80	0.059	19.1	19.9	42
1 1/4	16	RV0GOF400	130	-	0.094	21.4	25.6	51
1 1/2	16	RV0GOF500	80	-	0.184	21.4	35.6	61
2	16	RV0GOF630	40	-	0.320	25.7	45.3	75
2 1/2	16	RV0GOF750	50	-	0.425	30.2	52.8	89
3	16	RV0GOF900	30	-	0.770	33.3	64.7	106
4	16	RV0GOF910	17	-	1.050	39.3	78.7	129

## Mufa filetata F.I. PVC-U

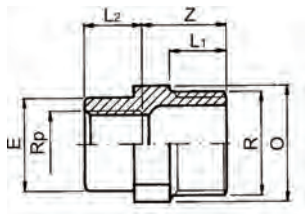


PF 2 01 951 010

FI [inch]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	E [mm]
3/8	16	RV0MAF160	10	500	0.008	11.4	6	23
1/2	16	RV0MAF200	10	250	0.017	15.0	7	28
3/4	16	RV0MAF250	10	180	0.024	16.3	7	34
1	16	RV0MAF320	10	130	0.042	19.1	8	42
1 1/4	16	RV0MAF400	220	-	0.060	21.4	8	51
1 1/2	16	RV0MAF500	180	-	0.073	21.4	8	58
2	16	RV0MAF630	100	-	0.123	25.7	8	72
2 1/2	16	RV0MAF750	120	-	0.200	30.2	9	89
3	16	RV0MAF900	84	-	0.280	33.3	10	103
4	16	RV0MAF910	44	-	0.441	39.3	11	130
6	16	RV0MAF940	9	-	1.400	48.0	84	182



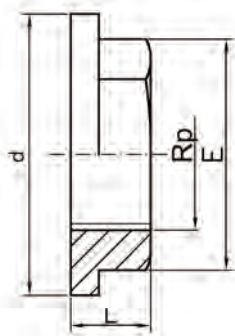
## Reductie inversa filetata F.E./F.I. PVC-U



FE [inch]	FI [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2' [mm]	Z [mm]	E [mm]	O [mm]
1/2	3/8	16	RV0RIF20A	10	400	0.012	15.0	11.4	24	32	24
3/4	3/8	16	RV0RIF25A	10	280	0.016	16.3	11.4	25	23	30
3/4	1/2	16	RV0RIF25B	10	280	0.018	16.3	15.0	26	28	30
1	3/8	16	RV0RIF32A	10	160	0.024	19.1	11.4	28	23	36
1	1/2	16	RV0RIF32B	10	160	0.026	19.1	15.0	29	28	36
1	3/4	16	RV0RIF32C	10	160	0.026	19.1	16.3	30	34	36
1 1/4	1/2	16	RV0RIF40B	150	-	0.042	21.4	15.0	33	28	46
1 1/4	3/4	16	RV0RIF40C	150	-	0.045	21.4	16.3	33	34	46
1 1/4	1	16	RV0RIF40D	150	-	0.047	21.4	19.1	33	42	46
1 1/2	3/4	16	RV0RIF50C	120	-	0.050	21.4	16.3	34	34	50
1 1/2	1	16	RV0RIF50D	100	-	0.050	21.4	19.1	34	42	50
1 1/2	1 1/4	16	RV0RIF50E	100	-	0.060	21.4	21.4	34	51	55
2	1	16	RV0RIF63D	140	-	0.086	25.7	19.1	37	42	65
2	1 1/4	16	RV0RIF63E	140	-	0.085	25.7	21.4	37	51	65
2	1 1/2	16	RV0RIF63F	130	-	0.087	25.7	21.4	37	58	65
2 1/2	1 1/4	16	RV0RIF75E	170	-	0.140	30.2	21.4	43	51	80
2 1/2	1 1/2	16	RV0RIF75F	170	-	0.138	30.2	21.4	43	58	80
2 1/2	2	16	RV0RIF75G	150	-	0.142	30.2	25.7	43	72	80
3	1 1/2	16	RV0RIF90F	150	-	0.200	33.3	21.4	47	58	95
3	2	16	RV0RIF90G	125	-	0.205	33.3	25.7	47	72	95
3	2 1/2	16	RV0RIF90H	115	-	0.215	33.3	30.2	47	89	95
4	2	16	RV0RIF91G	85	-	0.330	39.3	25.7	53	72	120
4	2 1/2	16	RV0RIF91H	42	-	0.330	39.3	30.2	53	89	120
4	3	16	RV0RIF91I	60	-	0.350	39.3	33.3	53	103	120

PF 2 01 951 010

## Piulita filetata PVC-U



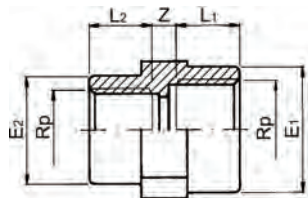
FI [inch]	PN	Cod	SP	GP	kg	D [mm]	L [mm]	E [mm]
1/2	16	RV0DAF200	1	800	0.009	38	13	29
3/4	16	RV0DAF250	1	1250	0.011	43	14	34
1	16	RV0DAF320	1	600	0.026	56	16	46
1 1/4	16	RV0DAF400	1	450	0.029	65	18	50
1 1/2	16	RV0DAF500	300	-	0.043	72	19	60
2	16	RV0DAF630	150	-	0.089	94	21	80
2 1/2	16	RV0DAF750	120	-	0.094	115	24	94
3	16	RV0DAF900	80	-	0.138	130	27	108
4	16	RV0DAF910	45	-	0.205	162	30	135

PF 2 01 950 013





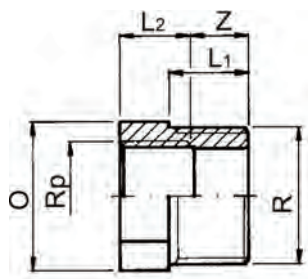
## Mufa redusa filetata F.I./F.I. PVC-U



PF 2 01 951 010

FI [inch]	FI [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z [mm]	E1 [mm]	E2 [mm]
1/2	3/8	16	RV0MRF20A	10	250	0.017	15.0	11.4	6	28.0	23.0
3/4	1/2	16	RV0MRF25B	10	200	0.024	16.3	15.0	7	34.0	28.0
1	3/4	16	RV0MRF32C	10	120	0.040	19.1	16.3	7	42.0	34.0
1 1/4	1	16	RV0MRF40D	190	-	0.060	21.4	19.1	8	51.0	42.0
1 1/2	1 1/4	16	RV0MRF50E	165	-	0.072	21.4	21.4	8	58.0	51.0
2	1 1/2	16	RV0MRF63F	80	-	0.115	25.7	21.4	8	72.0	58.0
2 1/2	2	16	RV0MRF75G	130	-	0.128	30.2	25.7	8	89.0	72.0
3	2 1/2	16	RV0MRF90H	80	-	0.286	33.3	30.2	9	103.0	89.0
4	3	16	RV0MRF91I	54	-	0.436	39.3	33.3	10	130.0	103.0

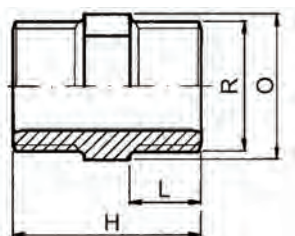
## Reductie filetata F.E./F.I. PVC-U



PF 2 01 951 010

FE [inch]	FI [inch]	PN	Cod	SP	GP	kg	L1' [mm]	L2' [mm]	Z [mm]	O [mm]
3/4	1/2	16	RV0RCF25B	100	300	0.013	16.3	15.0	13.3	30
1	3/4	16	RV0RCF32C	100	250	0.019	19.1	16.3	14.8	36
1 1/4	1	16	RV0RCF40D	200	-	0.033	21.4	19.1	16.3	46
1 1/2	1 1/4	16	RV0RCF50E	160	-	0.028	21.4	21.4	14.0	50
2	1 1/2	16	RV0RCF63F	200	-	0.067	25.7	21.4	18.3	65
2 1/2	2	16	RV0RCF75G	200	-	0.135	30.2	25.7	20.5	80
3	2 1/2	16	RV0RCF90H	165	-	0.160	33.3	30.2	20.1	95
4	3	16	RV0RCF91I	90	-	0.290	39.3	33.3	24.0	120

## Niplu filetat F.E. PVC-U

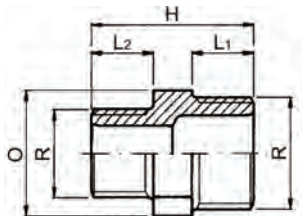


PF 2 01 951 010

FE [inch]	PN	Cod	SP	GP	kg	L [mm]	H [mm]	O [mm]
3/8	16	RV0NIF160	10	600	0.007	11.4	33	22
1/2	16	RV0NIF200	10	400	0.011	15.0	42	24
3/4	16	RV0NIF250	10	280	0.018	16.3	44	30
1	16	RV0NIF320	10	160	0.028	19.1	50	36
1 1/4	16	RV0NIF400	130	-	0.049	21.4	58	46
1 1/2	16	RV0NIF500	90	-	0.051	21.4	58	50
2	16	RV0NIF630	125	-	0.095	25.7	66	65
2 1/2	16	RV0NIF750	140	-	0.142	30.2	76	80
3	16	RV0NIF900	90	-	0.221	33.3	85	95
4	16	RV0NIF910	45	-	0.345	39.3	96	120



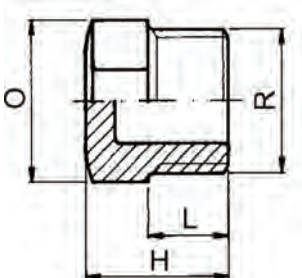
## Niplu redus filetate F.E./F.E. PVC-U



PF 2 01 951 010

FE [inch]	FE [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2' [mm]	H [mm]	O [mm]
1/2	3/8	16	RV0NRF20A	10	400	0.011	15.0	11.4	38	24
3/4	1/2	16	RV0NRF25B	10	280	0.017	16.3	15.0	43	30
1	3/4	16	RV0NRF32C	10	180	0.026	19.1	16.3	47	36
1 1/4	1	16	RV0NRF40D	150	-	0.043	21.4	19.1	56	46
1 1/2	1 1/4	16	RV0NRF50E	100	-	0.048	21.4	21.4	58	50
2	1 1/2	16	RV0NRF63F	130	-	0.081	25.7	21.4	62	65
2 1/2	2	16	RV0NRF75G	110	-	0.140	30.2	25.7	73	80
3	2 1/2	16	RV0NRF90H	50	-	0.208	33.3	30.2	82	95
4	3	16	RV0NRF91I	36	-	0.339	39.3	33.3	90	120

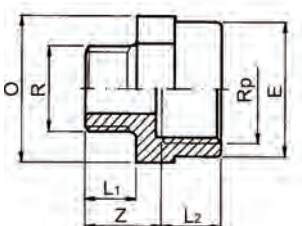
## Dop filetat F.E. PVC-U



PF 2 01 951 010

FE [inch]	PN	Cod	SP	GP	kg	L [mm]	H [mm]	O [mm]
3/8	16	RV0TAF160	10	700	0.008	11.4	24	22
1/2	16	RV0TAF200	10	500	0.009	15.0	29	24
3/4	16	RV0TAF250	10	320	0.016	16.3	30	30
1	16	RV0TAF320	10	250	0.023	19.1	33	36
1 1/4	16	RV0TAF400	200	-	0.041	21.4	39	46
1 1/2	16	RV0TAF500	150	-	0.045	21.4	39	50
2	16	RV0TAF630	180	-	0.080	25.7	43	65
2 1/2	16	RV0TAF750	100	-	0.140	30.2	51	80
3	16	RV0TAF900	65	-	0.210	33.3	55	95
4	16	RV0TAF910	40	-	0.340	39.3	61	120

## Mufa redusa filetata F.I./F.E PVC-U

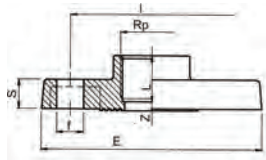


PF 2 01 951 010

FE [inch]	FI [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z [mm]	O [mm]
3/8	1/2	16	RV0MGF16B	500	-	0.016	11.4	15.0	22	30
1/2	3/4	16	RV0MGF20C	300	-	0.020	15.0	16.3	24	36
3/4	1	16	RV0MGF25D	350	-	0.037	16.3	19.1	26	46
1	1 1/4	16	RV0MGF32E	250	-	0.059	19.1	21.4	30	55
1 1/4	1 1/2	16	RV0MGF40F	180	-	0.074	21.4	21.4	33	60
1 1/2	2	16	RV0MGF50G	100	-	0.113	21.4	25.7	34	75
2	2 1/2	16	RV0MGF63H	60	-	0.187	25.7	30.2	38	90
2 1/2	3	16	RV0MGF75I	54	-	0.262	30.2	33.3	44	105
3	4	16	RV0MGF90L	34	-	0.416	33.3	39.3	48	130



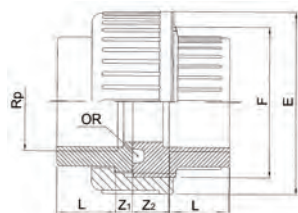
## Capat flansa filetat F.I. PVC-U



PF 2 01 951 010

FI [inch]	DN [mm]	PN-PN [bar]	Cod	SP	GP	kg	L [mm]	Z [mm]	E [mm]	S [mm]	I [mm]	f [mm]
1/2	15	10 - 16	RV0FFF200	100	-	0.070	15.0	5.5	95	11	65	14
3/4	20	10 - 16	RV0FFF250	70	-	0.105	16.3	7.5	105	12	75	14
1	25	10 - 16	RV0FFF320	120	-	0.148	19.1	7.5	115	14	85	14
1 1/4	32	10 - 16	RV0FFF400	60	-	0.220	21.4	9.0	140	15	100	18
1 1/2	40	10 - 16	RV0FFF500	50	-	0.285	21.4	14.0	150	16	110	18
2	50	10 - 16	RV0FFF630	40	-	0.420	25.7	17.0	165	18	125	18
2 1/2	65	10 - 16	RV0FFF750	20	-	0.520	30.2	20.0	185	19	145	18
3	80	10 - 16	RV0FFF900	15	-	0.735	30.3	25.0	200	20	160	18
4	100	10 - 16	RV0FFF910	10	-	0.923	39.9	30.0	220	22	180	18

## Olandez filetat F.I. cu o-ring PVC-U

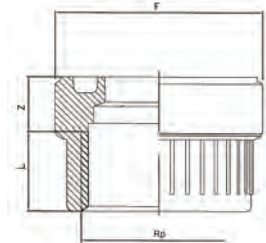


PF 2 01 951 010

FI [inch]	PN	EPDM Cod	SP	GP	kg	L [mm]	Z1 [mm]	Z2 [mm]	F [inch]	E [mm]
3/8	16	RV0BOF160	10	250	0.027	11.4	5.6	13.6	3/4	34
1/2	16	RV0BOF200	10	150	0.042	15.0	4.0	11.0	1	42
3/4	16	RV0BOF250	10	100	0.068	16.3	5.7	12.7	1 1/4	52
1	16	RV0BOF320	10	60	0.095	19.1	5.9	12.9	1 1/2	59
1 1/4	16	RV0BOF400	90	-	0.165	21.4	7.6	16.6	2	72
1 1/2	16	RV0BOF500	60	-	0.230	21.4	12.6	23.6	2 1/4	79
2	16	RV0BOF630	36	-	0.410	25.7	15.3	30.3	2 3/4	96
2 1/2	16	RV0BOF750	20	-	0.600	30.2	16.8	31.8	3 1/2	119
3	16	RV0BOF900	15	-	0.770	33.3	22.7	35.7	4	134
4	16	RV0BOF910	18	-	1.280	39.3	26.7	39.7	5	163

## Mufa pentru olandez filetat F.I. PVC-U

Compatibil cu BOF/BOP



PF 2 01 951 010

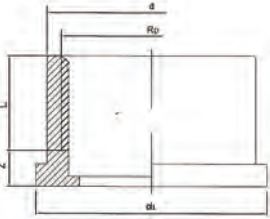
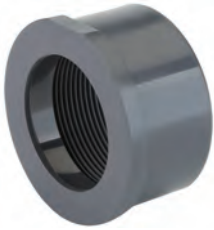
FI [inch]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	F [inch]
3/8	16	RV0BFF160	600	-	0.010	11.4	13.6	3/4
1/2	16	RV0BFF200	300	-	0.016	15.0	11.0	1
3/4	16	RV0BFF250	180	-	0.027	16.3	12.7	1 1/4
1	16	RV0BFF320	500	-	0.036	19.1	12.9	1 1/2
1 1/4	16	RV0BFF400	160	-	0.060	21.4	16.6	2
1 1/2	16	RV0BFF500	50	-	0.104	21.4	23.6	2 1/4
2	16	RV0BFF630	60	-	0.168	25.7	30.3	2 3/4
2 1/2	16	RV0BFF750	125	-	0.235	30.2	31.8	3 1/2
3	16	RV0BFF900	80	-	0.335	33.3	35.7	4
4	16	RV0BFF910	48	-	0.470	39.3	39.7	5





## Capat pentru olandez filetat F.I. PVC-U

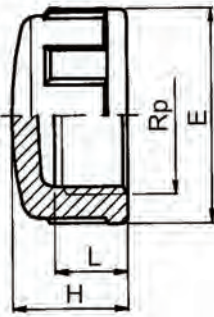
Compatibil cu BOF



PF 2 01 951 010

FI [inch]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	d [mm]	d1 [mm]
3/8	16	<b>RV0BLF160</b>	1000	-	0.007	11.4	5.6	22.0	24.0
1/2	16	<b>RV0BLF200</b>	600	-	0.010	15.0	4.0	27.5	30.1
3/4	16	<b>RV0BLF250</b>	300	-	0.017	16.3	5.7	36.0	38.8
1	16	<b>RV0BLF320</b>	650	-	0.023	19.1	5.9	41.5	44.7
1 1/4	16	<b>RV0BLF400</b>	125	-	0.042	21.4	7.6	53.0	56.5
1 1/2	16	<b>RV0BLF500</b>	85	-	0.065	21.4	12.6	59.0	62.6
2	16	<b>RV0BLF630</b>	45	-	0.120	25.7	15.3	74.0	78.4
2 1/2	16	<b>RV0BLF750</b>	165	-	0.160	30.2	16.8	92.5	97.2
3	16	<b>RV0BLF900</b>	100	-	0.235	33.3	22.7	105.0	110.0
4	16	<b>RV0BLF910</b>	66	-	0.340	39.3	26.7	129.0	135.4

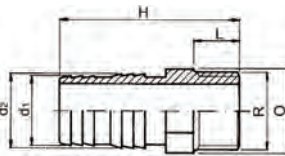
## Capac filetat F.I. PVC-U



PF 2 01 951 010

FI [inch]	PN	Cod	SP	GP	kg	L [mm]	H [mm]	E [mm]
3/8	16	<b>RV0CAF160</b>	10	600	0.008	11.4	22.0	23
1/2	16	<b>RV0CAF200</b>	10	500	0.008	15.0	21.0	28
3/4	16	<b>RV0CAF250</b>	10	400	0.013	16.3	23.0	34
1	16	<b>RV0CAF320</b>	10	250	0.022	19.1	26.0	42
1 1/4	16	<b>RV0CAF400</b>	160	-	0.035	21.4	29.0	51
1 1/2	16	<b>RV0CAF500</b>	80	-	0.050	21.4	32.0	61
2	16	<b>RV0CAF630</b>	50	-	0.080	25.7	37.0	75
2 1/2	16	<b>RV0CAF750</b>	90	-	0.190	30.2	50.0	89
3	16	<b>RV0CAF900</b>	60	-	0.270	33.3	53.0	103
4	16	<b>RV0CAF910</b>	34	-	0.435	39.3	59.0	130

## Racord furtun filetat F.E. PVC-U



PF 2 01 951 010

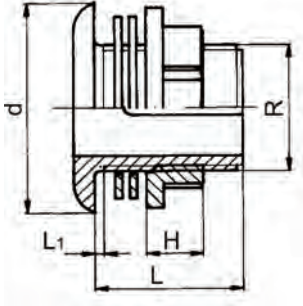
FE [inch]	d1 [mm]	d2 [mm]	PN	Cod	SP	GP	kg	L [mm]	H [mm]	d1 [mm]	d2 [mm]	O [mm]
3/8	16	18	16	<b>RV0PGF160</b>	10	400	0.009	11.4	56.0	16	18	22
1/2	20	22	16	<b>RV0PGF200</b>	10	280	0.016	15.0	66.0	20	22	24
3/4	25	27	16	<b>RV0PGF250</b>	10	180	0.024	16.3	71.3	25	27	30
1	30	32	16	<b>RV0PGF320</b>	10	130	0.035	19.1	77.1	30	32	36
1 1/4	40	42	16	<b>RV0PGF400</b>	85	-	0.061	21.4	87.4	40	42	46
1 1/2	50	52	16	<b>RV0PGF500</b>	130	-	0.074	21.4	91.4	50	52	50
2	60	64	16	<b>RV0PGF630</b>	70	-	0.126	25.7	98.7	60	64	65





## Racord rezervor F.E. PP

FE [inch]	PN	Cod	SP	GP	kg	D [mm]	L [mm]	L1 [mm]	H [mm]
1/2	10	RPOATS200	10	400	0.019	41.0	47	4	18
3/4	10	RPOATS250	10	300	0.028	49.0	47	4	18
1	10	RPOATS320	10	180	0.038	58.0	49	5	18
1 1/4	10	RPOATS400	10	120	0.057	70.0	49	5	18
1 1/2	10	RPOATS500	10	150	0.056	79.5	49	9	25



PF 2 01 951 010



## Banda de teflon

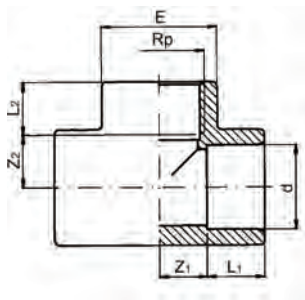
mt [m]	PTFE Cod	SP	GP	kg
12	Y1TPTF012	10	500	0.012

PF 2 02 962 011



# PVC-U fittinguri tranzitie

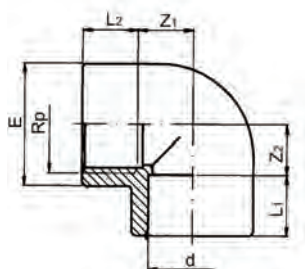
## Teu cu derivatie filetata F.I. PVC-U



PF 2 01 951 011

d [mm]	FI [inch]	d [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z1 [mm]	Z2 [mm]	E [mm]
16	3/8		16	RV0TIP16A	10	280	0.017	14	11.4	9	11.6	23
20	1/2		16	RV0TIP20B	10	150	0.028	16	15.0	11	12.0	28
25	3/4		16	RV0TIP25C	10	100	0.046	19	16.3	14	16.7	34
32	1		16	RV0TIP32D	10	130	0.076	22	19.1	17	19.9	42
40	1 1/4		16	RV0TIP40E	90	-	0.120	26	21.4	21	25.6	51
50	1 1/2		16	RV0TIP50F	50	-	0.200	31	21.4	26	35.6	61
63	2		16	RV0TIP63G	25	-	0.355	38	25.7	33	45.3	75
75	2 1/2	2 1/2	16	RV0TIP75H	35	-	0.540	44	30.2	39	52.8	89
90	3		16	RV0TIP90I	24	-	0.850	51	33.3	47	64.7	106
110	4		16	RV0TIP91L	14	-	1.440	61	39.3	57	78.7	129

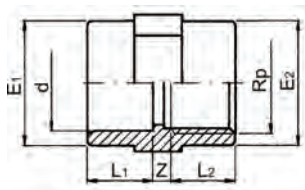
## Cot lipire/F.I. 90° Rp PVC-U



PF 2 01 951 011

d [mm]	FI [inch]	d [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z1 [mm]	Z2 [mm]	E [mm]
16	3/8		16	RV0GOP16A	10	360	0.013	14.0	11.4	9.0	11.6	23
20	1/2		16	RV0GOP20B	10	200	0.021	16.0	15.0	11.0	12.0	28
25	3/4		16	RV0GOP25C	10	160	0.034	19.0	16.3	14.0	16.7	34
32	1		16	RV0GOP32D	10	80	0.056	22.0	19.1	17.0	19.9	42
40	1 1/4		16	RV0GOP40E	130	-	0.093	26.0	21.4	21.0	25.6	51
50	1 1/2		16	RV0GOP50F	80	-	0.160	31.0	21.4	26.0	35.6	61
63	2		16	RV0GOP63G	40	-	0.275	38.0	25.7	33.0	45.3	75
75	2 1/2	2 1/2	16	RV0GOP75H	50	-	0.420	44.0	30.2	39.0	52.8	89
90	3		16	RV0GOP90I	30	-	0.710	51.0	33.3	47.0	64.7	106
110	4		16	RV0GOP91L	17	-	1.065	61.0	39.3	57.0	78.7	129

## Mufa lipire/F.I. PVC-U

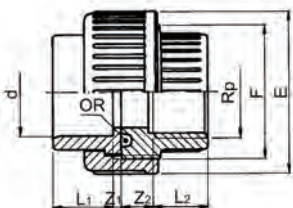


PF 2 01 951 011

d [mm]	FI [inch]	d [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z1 [mm]	E1 [mm]	E2 [mm]
16	3/8		16	RV0MAP16A	10	500	0.010	14.0	11.4	6.0	23.0	23.0
20	1/2		16	RV0MAP20B	10	250	0.017	16.0	15.0	6.0	28.0	28.0
25	3/4		16	RV0MAP25C	10	200	0.024	19.0	16.3	6.0	34.0	34.0
32	1		16	RV0MAP32D	10	130	0.042	22.0	19.1	6.0	42.0	42.0
40	1 1/4		16	RV0MAP40E	100	-	0.060	26.0	21.4	4.0	51.0	51.0
50	1 1/2		16	RV0MAP50F	60	-	0.087	31.0	21.4	7.0	61.0	58.0
63	2		16	RV0MAP63G	80	-	0.134	38.0	25.7	7.0	75.0	72.0
75	2 1/2	2 1/2	16	RV0MAP75H	110	-	0.215	44.0	30.2	8.0	89.0	89.0
90	3		16	RV0MAP90I	64	-	0.345	51.0	33.3	9.0	106.0	103.0
110	4		16	RV0MAP91L	35	-	0.550	61.0	39.3	10.0	129.0	130.0
125	5		16	RV0MAP92N	16	-	1.060	69.0	43.6	51.0	160.0	
140	5	5	16	RV0MAP93N	9	-	1.120	76.0	43.6	40.0	162.0	
160	6		16	RV0MAP94O	9	-	1.400	86.0	48.0	46.0	184.0	



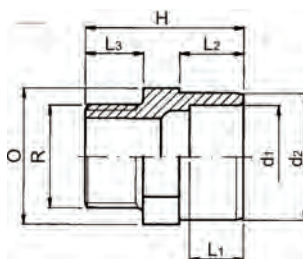
## Olandez lipire/F.I. cu o-ring PVC-U



d [mm]	FI [inch]	d [inch]	PN	EPDM Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z1 [mm]	Z2 [mm]	F [inch]	E [mm]
16	3/8		16	RV0BOP16A	10	250	0.031	14.0	11.4	3.0	13.6	3/4	34
20	1/2		16	RV0BOP20B	10	150	0.042	16.0	15.0	3.0	11.0	1	42
25	3/4		16	RV0BOP25C	10	100	0.070	19.0	16.3	3.0	12.7	1 1/4	52
32	1		16	RV0BOP32D	10	60	0.094	22.0	19.1	3.0	12.9	1 1/2	59
40	1 1/4		16	RV0BOP40E	90	-	0.155	26.0	21.4	3.0	16.6	2	72
50	1 1/2		16	RV0BOP50F	60	-	0.237	31.0	21.4	3.0	23.6	2 1/4	79
63	2		16	RV0BOP63G	36	-	0.382	38.0	25.7	3.0	30.3	2 3/4	96
75	2 1/2	2 1/2	16	RV0BOP75H	20	-	0.625	44.0	30.2	3.0	31.8	3 1/2	119
90	3		16	RV0BOP90I	15	-	0.865	51.0	33.3	5.0	35.7	4	134
110	4		16	RV0BOP91L	18	-	1.340	61.0	39.3	5.0	39.7	5	163

PF 2 01 951 011

## Adaptor 3 diametre lipire/F.E. PVC-U

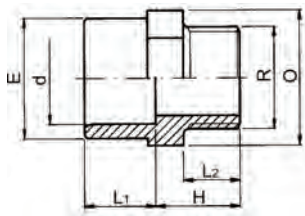


d-d [mm]	FE [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	L3 [mm]	H [mm]	O [mm]
16 - 16	3/8	16	RV0AMP12A	100	600	0.008		14	11.4	36	22
16 - 20	3/8	16	RV0AMP16A	100	500	0.009	14.0	16	11.4	40	24
16 - 20	1/2	16	RV0AMP16B	100	400	0.010	14.0	16	15.0	43	24
20 - 25	3/8	16	RV0AMP20A	100	300	0.014	16.0	19	11.4	43	30
20 - 25	1/2	16	RV0AMP20B	100	300	0.014	16.0	19	15.0	46	30
20 - 25	3/4	16	RV0AMP20C	100	300	0.015	16.0	19	16.3	47	30
25 - 32	1/2	16	RV0AMP25B	100	200	0.025	19.0	22	15.0	49	36
25 - 32	3/4	16	RV0AMP25C	100	200	0.026	19.0	22	16.3	50	36
25 - 32	1	16	RV0AMP25D	100	200	0.029	19.0	22	19.1	53	36
32 - 40	3/4	16	RV0AMP32C	10	140	0.036	22.0	26	16.3	54	46
32 - 40	1	16	RV0AMP32D	10	120	0.040	22.0	26	19.1	57	46
32 - 40	1 1/4	16	RV0AMP32E	10	100	0.049	22.0	26	21.4	60	46
40 - 50	1	16	RV0AMP40D	90	-	0.070	26.0	31	19.1	64	55
40 - 50	1 1/4	16	RV0AMP40E	50	-	0.075	26.0	31	21.4	67	55
40 - 50	1 1/2	16	RV0AMP40F	80	-	0.074	26.0	31	21.4	67	55
50 - 63	1 1/4	16	RV0AMP50E	50	-	0.116	31.0	38	21.4	74	65
50 - 63	1 1/2	16	RV0AMP50F	110	-	0.113	31.0	38	21.4	74	65
50 - 63	2	16	RV0AMP50G	100	-	0.125	31.0	38	25.7	78	65
63 - 75	1 1/2	16	RV0AMP63F	35	-	0.145	38.0	44	21.4	80	80
63 - 75	2	16	RV0AMP63G	70	-	0.150	38.0	44	25.7	84	80
63 - 75	2 1/2	16	RV0AMP63H	50	-	0.170	38.0	44	30.2	91	80
75 - 90	2	16	RV0AMP75G	54	-	0.270	44.0	51	25.7	94	95
75 - 90	2 1/2	16	RV0AMP75H	60	-	0.275	44.0	51	30.2	99	95
75 - 90	3	16	RV0AMP75I	36	-	0.285	44.0	51	33.3	102	95
90 - 110	2 1/2	16	RV0AMP90H	25	-	0.470	51.0	61	30.2	110	115
90 - 110	3	16	RV0AMP90I	25	-	0.486	51.0	61	33.3	113	115
90 - 110	4	16	RV0AMP90L	16	-	0.485	51.0	61	39.3	118	115
110 - 125	3	10	RV0AMP91I	40	-	0.490	61.0	66	33.3	115	130
110 - 125	4	10	RV0AMP91L	32	-	0.492	61.0	66	39.3	120	130
110 - 125	5	10	RV0AMP91N	32	-	0.535	61.0	66	40.0	120	130
125 - 140	5	10	RV0AMP92N	24	-	0.740	69.0	71	74.0	145	

PF 2 01 951 011



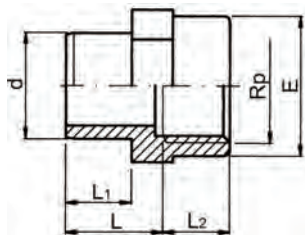
## Adaptor lipire/F.E. PVC-U



PF 2 01 951 011

d [mm]	FE [inch]	d [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	E [mm]	L [mm]	O [mm]
75	2 ½	2 ½	16	RV0ADP75H	72	-	0.210	44	30.2	89	42	90
90	3		16	RV0ADP90I	40	-	0.336	51	33.3	106	46	110
110	4		16	RV0ADP91L	35	-	0.530	61	39.3	129	51	130

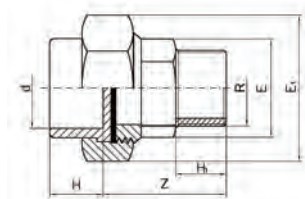
## Adaptor lipire/F.I. PVC-U



PF 2 01 951 011

d [mm]	FI [inch]	d [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	E [mm]	L [mm]
16	¾		16	RV0AFP16A	10	600	0.016	14	11.4	23	22
20	½		16	RV0AFP20B	10	300	0.017	16	15.0	28	24
20	¾		16	RV0AFP20C	10	240	0.024	16	16.3	34	24
25	½		16	RV0AFP25B	10	220	0.019	19	15.0	28	27
25	¾		16	RV0AFP25C	10	200	0.026	19	16.3	34	27
25	1		16	RV0AFP25D	10	140	0.039	19	19.1	42	27
32	¾		16	RV0AFP32C	10	180	0.032	22	16.3	34	30
32	1		16	RV0AFP32D	10	120	0.041	22	19.1	42	30
40	1		16	RV0AFP40D	100	-	0.050	26	19.1	42	36
40	1 ¼		16	RV0AFP40E	90	-	0.065	26	21.4	51	36
50	1 ¼		16	RV0AFP50E	70	-	0.070	31	21.4	51	41
50	1 ½		16	RV0AFP50F	60	-	0.080	31	21.4	58	41
50	2		16	RV0AFP50G	100	-	0.122	31	25.7	72	41
63	2		16	RV0AFP63G	80	-	0.135	38	25.7	72	48
75	2		16	RV0AFP75G	72	-	0.175	44	25.7	72	53
75	2 ½	2 ½	16	RV0AFP75H	90	-	0.225	44	30.2	89	58
75	3		16	RV0AFP75I	100	-	0.295	44	33.3	103	58
90	2 ½		16	RV0AFP90H	90	-	0.275	51	30.2	89	65
90	3		16	RV0AFP90I	60	-	0.310	51	33.3	103	65
90	4		16	RV0AFP90L	52	-	0.450	51	39.3	130	65
110	3		16	RV0AFP91I	52	-	0.385	61	33.3	103	76
110	4		16	RV0AFP91L	45	-	0.480	61	39.3	130	76

## Olandez lipire/F.E. cu o-ring PVC-U



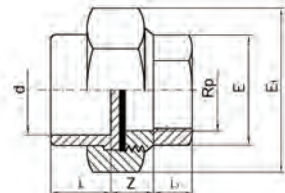
PF 2 01 951 011

d [mm]	FE [inch]	PN	Cod	SP	GP	kg	L [mm]	L1 [mm]	H [mm]	Z [mm]	F [inch]	E [mm]
25	¾	16	RV0BMP25C	10	100	0.078	19	16.3	44	3	1 ¼	52
32	1	16	RV0BMP32D	40	-	0.102	22	19.1	48	3	1 ½	59
40	1 ¼	16	RV0BMP40E	40	-	0.163	26	21.4	54	3	2	72
50	1 ½	16	RV0BMP50F	60	-	0.220	31	22.0	58	3	2 ¼	79
50	2	16	RV0BMP50G	60	-	0.260	31	26.0	58	3	2 ¼	79
63	2	16	RV0BMP63G	36	-	0.375	38	26.0	66	3	2 ¾	96





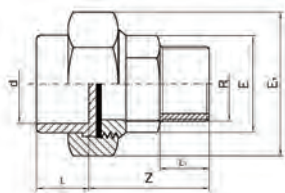
## Olandez PVC-U lipire/Alama F.I.



PF 2 01 950 013

d [mm]	FI [inch]	PN	Cod	SP	GP	kg	L [mm]	L1 [mm]	Z [mm]	E [mm]	E1 [mm]
16	3/8	16	RV0BMF16A	170	-	0.085	14	11	10	20	30.0
20	1/2	16	RV0BMF20B	70	-	0.145	16	15	11	25	38.0
25	3/4	16	RV0BMF25C	50	-	0.215	19	15	14	32	47.0
32	1	16	RV0BMF32D	40	-	0.280	22	16	12	38	55.0
40	1 1/4	16	RV0BMF40E	25	-	0.380	26	19	13	48	65.0
50	1 1/2	16	RV0BMF50F	25	-	0.485	31	21	13	54	72.0
63	2	16	RV0BMF63G	15	-	1.200	38	25	14	66	88.0

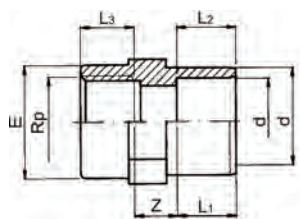
## Olandez PVC-U lipire/Alama F.E.



PF 2 01 950 013

d [mm]	FE [inch]	PN	Cod	SP	GP	kg	L [mm]	L1 [mm]	Z [mm]	E [mm]	E1 [mm]
16	3/8	16	RV0BMM16A	115	-	0.110	14	11	35	20	30.0
20	1/2	16	RV0BMM20B	95	-	0.165	16	12	41	25	38.0
25	3/4	16	RV0BMM25C	50	-	0.245	19	15	45	32	47.0
32	1	16	RV0BMM32D	40	-	0.325	22	19	47	38	55.0
40	1 1/4	16	RV0BMM40E	25	-	0.460	26	21	55	48	65.0
50	1 1/2	16	RV0BMM50F	24	-	0.610	31	21	57	54	72.0
63	2	16	RV0BMM63G	15	-	0.975	38	25	68	66	88.0

## Adaptor 3 diametre lipire/F.I. PVC-U



PF 2 01 951 011

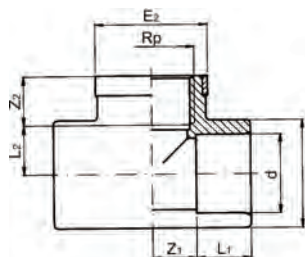
d-d [mm]	FI [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	L3 [mm]	Z [mm]	E [mm]
20 - 25	1/2	16	RV0MFP25B	10	200	0.015	16	19	15.0	12	28
25 - 32	3/4	16	RV0MFP32C	10	150	0.027	19	22	16.3	13	34
32 - 40	1	16	RV0MFP40D	130	-	0.050	22	26	19.1	14	42
40 - 50	1 1/4	16	RV0MFP50E	110	-	0.070	26	31	21.4	16	51
50 - 63	1 1/2	16	RV0MFP63F	80	-	0.120	31	38	21.4	18	58
63 - 75	2	16	RV0MFP75G	70	-	0.180	38	44	25.7	18	72
75 - 90	2 1/2	16	RV0MFP90H	90	-	0.284	44	51	30.2	21	89
90 - 110	3	16	RV0MFP91I	50	-	0.490	51	61	33.3	25	103





# PVC-U fittinguri de tranzitie Cu ranfosrare

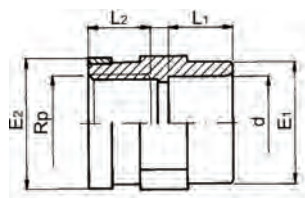
## Teu cu derivatie filetata F.I. PVC-U



PF 2 01 951 012

d [mm]	FI [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z1 [mm]	Z2 [mm]	E1 [mm]	E2 [mm]
16	3/8	16	RV0TTP16A	10	280	0.018	14	11.4	9	11.6	23.0	25.0
20	1/2	16	RV0TTP20B	10	150	0.030	16	15.0	11	12.0	28.0	30.0
25	3/4	16	RV0TTP25C	10	100	0.048	19	13.3	14	16.7	34.0	35.0
32	1	16	RV0TTP32D	10	100	0.076	22	19.1	17	19.9	42.0	45.0
40	1 1/4	16	RV0TTP40E	80	-	0.124	26	21.4	21	25.6	51.0	55.0
50	1 1/2	16	RV0TTP50F	50	-	0.200	31	21.4	26	35.6	61.0	65.0
63	2	16	RV0TTP63G	20	-	0.365	38	25.7	33	45.3	75.0	75.0

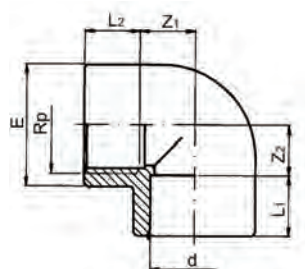
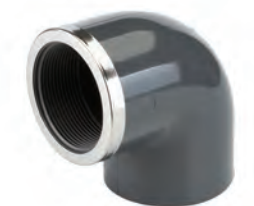
## Mufa lipire/F.I. PVC-U



PF 2 01 951 012

d [mm]	FI [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z [mm]	E1 [mm]	E2 [mm]
16	3/8	16	RV0MMP16A	10	500	0.010	14	11.4	6	23.0	25.0
20	1/2	16	RV0MMP20B	10	250	0.020	16	15.0	4	28.0	30.0
25	3/4	16	RV0MMP25C	10	200	0.026	19	16.3	6	34.0	35.0
32	1	16	RV0MMP32D	10	120	0.044	22	19.1	6	42.0	45.0
40	1 1/4	16	RV0MMP40E	100	-	0.070	26	21.4	8	51.0	55.0
50	1 1/2	16	RV0MMP50F	60	-	0.092	31	21.4	13	61.0	65.0
63	2	16	RV0MMP63G	80	-	0.140	38	25.7	15	75.0	75.0

## Cot lipire/F.I. 90° PVC-U

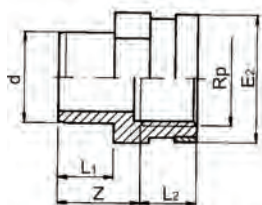


PF 2 01 951 012

d [mm]	FI [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z1 [mm]	Z2 [mm]	E1 [mm]	E2 [mm]
16	3/8	16	RV0GGP16A	10	360	0.014	14	11.4	9	11.6	23.0	25.0
20	1/2	16	RV0GGP20B	10	200	0.021	16	15.0	11	12.0	28.0	30.0
25	3/4	16	RV0GGP25C	10	160	0.038	19	16.3	14	16.7	34.0	35.0
32	1	16	RV0GGP32D	10	80	0.062	22	19.1	17	19.9	42.0	45.0
40	1 1/4	16	RV0GGP40E	130	-	0.095	26	21.4	21	25.6	51.0	55.0
50	1 1/2	16	RV0GGP50F	70	-	0.160	31	21.4	26	35.6	61.0	65.0
63	2	16	RV0GGP63G	40	-	0.290	38	25.7	33	45.3	75.0	75.0



## Adaptor lipire/F.I. PVC-U



PF 2 01 951 012

d [mm]	FI [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z [mm]	E2 [mm]
16	3/8	16	RV0AAP16A	10	600	0.011	14	11.4	22	25.0
20	1/2	16	RV0AAP20B	10	300	0.020	14	15.0	22	30.0
20	3/4	16	RV0AAP20C	10	240	0.025	16	15.0	24	30.0
25	1/2	16	RV0AAP25B	10	220	0.022	16	16.3	24	35.0
25	3/4	16	RV0AAP25C	10	200	0.028	19	15.0	27	30.0
25	1	16	RV0AAP25D	10	140	0.041	19	16.3	27	35.0
32	3/4	16	RV0AAP32C	10	180	0.034	19	19.1	27	45.0
32	1	16	RV0AAP32D	10	120	0.047	22	16.3	30	35.0
40	1	16	RV0AAP40D	100	-	0.053	22	19.1	30	45.0
40	1 1/4	16	RV0AAP40E	90	-	0.068	26	19.1	36	45.0
50	1 1/4	16	RV0AAP50E	70	-	0.074	26	21.4	36	55.0
50	1 1/2	16	RV0AAP50F	60	-	0.107	31	21.4	41	55.0
50	2	16	RV0AAP50G	90	-	0.135	31	21.4	41	60.0
63	2	16	RV0AAP63G	80	-	0.150	31	25.7	41	75.0
75	2	16	RV0AAP75G	164	-	0.140	38	25.7	48	75.0

## Suport teava din polipropilena



PF 2 01 950 013

d [mm]	Cod	SP	GP	kg
16	APOSPT160	20	500	0.006
20	APOSPT200	20	1100	0.008
25	APOSPT250	20	1000	0.009
32	APOSPT320	20	560	0.013
40	APOSPT400	10	280	0.026
50	APOSPT500	10	400	0.033
63	APOSPT630	10	300	0.047
75	APOSPT750	10	150	0.085
90	APOSPT900	10	120	0.110
110	APOSPT910	10	100	0.137
125	APOSPT920	10	50	0.105
140	APOSPT930	10	30	0.114
160	APOSPT940	10	20	0.124

## O-ring

Compatibil cu for BOI/BOF/BOP/BOM



d [mm]	EPDM Code	SP	GP
16	1ORD03062	-	-
20	1ORD04081	-	-
25	1ORD04112	-	-
40	1ORD06162	-	-
50	1ORD06187	-	-
63	1ORD06237	-	-
75	1ORD06312	-	-
90	1ORD06362	-	-
110	1ORD06450	-	-



# PVC-U Robineti cu bila Safeblock

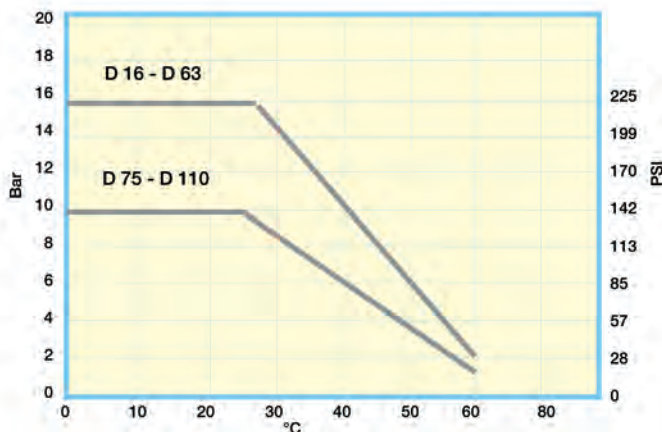
## Caracteristici generale

Semi sau dublu olandez - compact - caracterizate prin design optimal, pasaj liber total, incarcare axiala a tevii cu microajustari ale scaunului bilei. Mai mult de atat in pozitia inchis instalatia de dupa robinet poate fi demontata.

Trasaturile subliniate fac robinetii TP in mod particular adecvati pentru urmatoarele aplicatii: distributie, tratate si epurare, piscine, irigatii si acvacultura

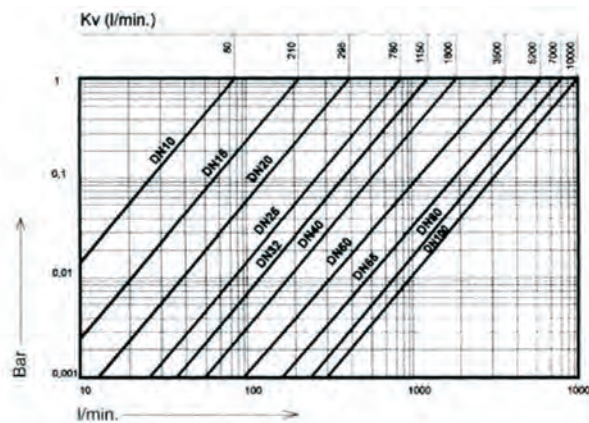
## PRESIUNE MAXIMA DE LUCRU

Datele tehnice prezentate mai jos sunt cu caracter informativ. Pentru detalii va rugam sa contactati departamentul tehnic



Diagramsa presiune - temperatura pentru apa.

## PIERDERE DE SARCINA



Cu apa la 20 °C si robinetul in pozitie deschisa.

## CUPLU DE STRANGERE

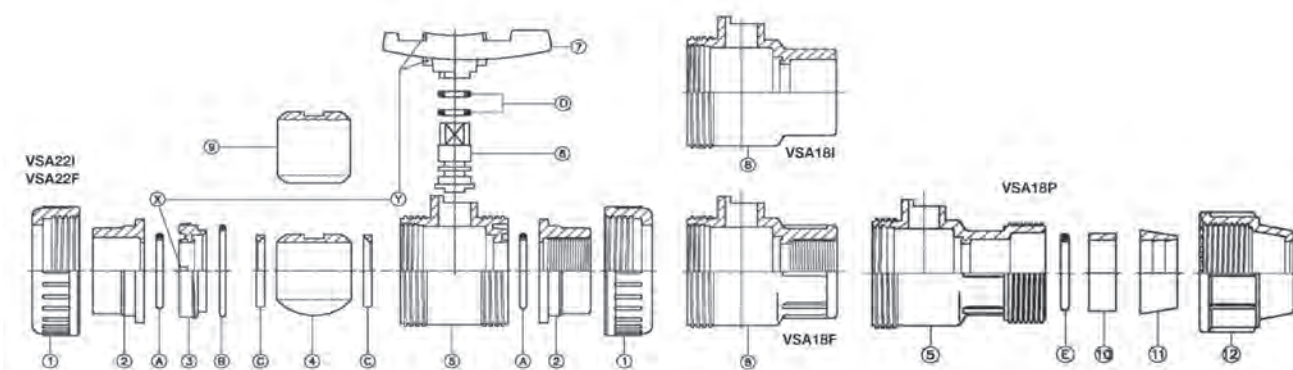
D	G	Nm
16-20	3/8"-1/2"	0,7
25	3/4"	2
32	1"	3,5
40	1" 1/4	7
50	1" 1/2	9
63	2"	13
75	2" 1/2	24
90	3"	30
110	4"	48

## Instalarea si utilizarea

La lipirea olandezilor robinetului de teava trebuie acordata atentie deosebita astfel incat sa nu ajunga adeziv sau decapant in contact cu bila sau scaunul robinetului. Racordurile fileta te nu ar trebui conectate cu piese cu filet conic sau folosind canepa sau materiale similare. O atentie speciala trebuie acordata alinierii corecte a instalatiei. Strangerea piulitei olandezului robinetului se face doar cu mana. Folosirea de chei este interzisa. Este important ca olandezii sa nu fie folositi pentru "tragerea" tevilor. Daca exista orice fel de scurgere de la olandezi va rugam sa verificati

alinierea corecta a fittingurilor si lungimea tevilor. O strangere excesiva a olandezilor poate duce in final la deteriorarea acestora. Inainte ca robinetul sa fie folosit tot praful, nisipul, sau alte particule abrazive trebuie spalate din instalatie pentru a preveni deteriorarea bilei si a scaunului. Este important a se evita inchiderea sau deschiderea rapida a robinetului pentru a elimina efectul de lovitura de berbec ce ar putea deteriora instalatia. Este necesar ca tot personanul de instalare si de mentenanta sa devina familiar cu procedurile adecvate de lipire cu solvent si etansare de filete.

# PVC-U Robineti cu bila Safeblock



## COMPONENTE

Pos	Componente	n°			Material
		VSA22	VSA18	VSA18P	
1	Piulita olandez	2	1	1	PVC
2	Olandez	2	1	1	PVC
3	Suport ajustabil	1	1	1	PVC
4	Bila DN ≥ 40 a ≤ 100	-	-	1	PVC
5	Corp	1	-	1	PVC
6	Ax	1	1	1	PVC
7	Maner	1	1	1	PVC
8	Corp semiolandez	-	1	-	PVC
9	Bila DN ≥ 10 a ≤ 32	1	-	-	PVC
9	Bila	-	1	-	PVC
10	Bucsa -	-	-	1	PVC
11	Clema	-	-	1	POM
12	Piulita compresiune	-	-	1	PVC
A	O-ring corp	2	1	1	EPDM
B	O-ring suport	1	1	1	EPDM
C	Scaun	2	2	1	PTFE+PE
D	O-ring ax	2	2	2	EPDM
E	O-ring	-	-	1	EPDM

PVC: Polyvinyl chloride

EPDM: Ethylene-propylene

PTFE+PE: Polytetra+fluoroethylene+polyethylene

POM: Polyacetale

## DEZASAMBLAREA SI REASAMBLAREA IN CAZ DE MENTENANTA

Desurubarea piulitei (1) face posibila scoaterea corpului robinetului din instalatie.

Pentru a ajunge la componentele interne ale robinetului:

1- Se pune robinetul in pozitia deschis.

2- Se scoate manerul (7) de pe axul (6).

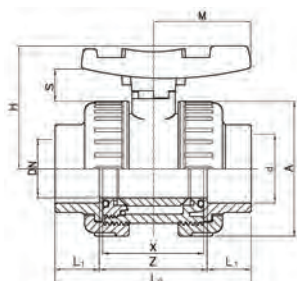
3- Se desurubeaza suportul (3) de pe corp (5) folosind doi dinti (Y) ai manerului (7)

4- Dupa indepartarea suportului (3) si scoaterea O-ringului B care era in interior (5), este posibila verificarea si inlocuirea componentelor interioare

Pentru asamblarea robinetului actionati in sens invers avand grija la gresarea si pozitionarea corecta a O-ringului

# PVC-U robineti cu bila safeblock

## Robinet cu bila cu safeblock ISO PVC-U Dublu olandez pentru lipire cu solvent

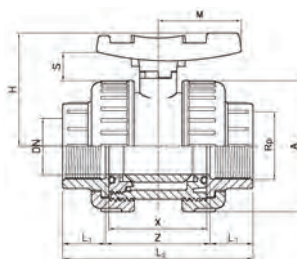


d [mm]	d [inch]	DN [mm]	PN	EPDM Cod	SP	GP	kg
16		10	16	VSA22I160	50	-	0.130
20		15	16	VSA22I200	50	-	0.130
25		20	16	VSA22I250	45	-	0.205
32		25	16	VSA22I320	50	-	0.295
40		32	16	VSA22I400	36	-	0.435
50		40	16	VSA22I500	24	-	0.680
63		50	16	VSA22I630	13	-	1.160
75	2 1/2	65	10	VSA22I750	8	-	2.090
90		80	10	VSA22I900	4	-	3.310
110		100	10	VSA22I910	2	-	5.925

d [mm]	A [mm]	H [mm]	M [mm]	S [mm]	X [mm]	L1 [mm]	Z [mm]	L2 [mm]
16	50	53	40	19	42	14	48	76
20	50	53	40	19	41	16	48	80
25	59	60	45	19	48	19	53	91
32	68	67	51	21	54	22	58	102
40	80	79	59	25	62	26	68	120
50	94	90	70	27	72	31	78	140
63	115	107	84	29	86	38	93	169
75	145	129	103	32	110	44	118	206
90	168	143	120	36	128	51	140	242
110	210	169	141	43	150	61	160	282

PF 2 02 956 010

## Robinet cu bila safeblock B.S.P. PVC-U Dublu olandez cu F.I.



FI [inch]	DN [mm]	PN	EPDM Cod	SP	GP	kg
3/8	10	16	VSA22F160	150	-	0.130
1/2	15	16	VSA22F200	150	-	0.130
3/4	20	16	VSA22F250	100	-	0.205
1	25	16	VSA22F320	60	-	0.295
1 1/4	32	16	VSA22F400	36	-	0.430
1 1/2	40	16	VSA22F500	24	-	0.655
2	50	16	VSA22F630	16	-	1.160
2 1/2	65	10	VSA22F750	8	-	2.045
3	80	10	VSA22F900	4	-	3.250
4	100	10	VSA22F910	2	-	5.820

FI [inch]	A [mm]	H [mm]	M [mm]	S [mm]	X [mm]	L1 [mm]	Z [mm]	L2 [mm]
3/8	50	53	40	19	42	14	48	76
1/2	50	53	40	19	42	16	48	80
3/4	59	60	45	19	48	19	53	91
1	68	67	51	21	54	22	58	102
1 1/4	80	79	59	25	62	26	68	120
1 1/2	94	90	70	27	72	31	78	140
2	115	107	84	29	86	38	93	169
2 1/2	145	129	103	32	110	44	118	206
3	168	143	120	36	128	51	140	242
4	210	169	141	43	150	61	160	282

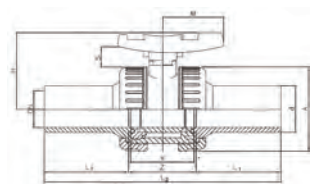
PF 2 02 956 010







## Robinet cu bila safeblock PVC-U Terminatii PE100 SDR11

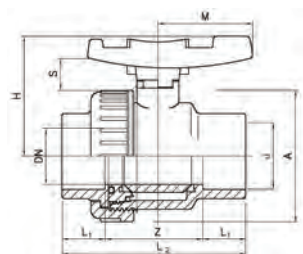


PF 2 02 956 010

d [mm]	PN	EPDM Cod	SP	GP	kg	D [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	e [mm]
20	16	VSA22B200	30	-	0.210	95	53	175	67	42	40	1.8
25	16	VSA22B250	20	-	0.210	105	60	195	77	48	45	2.3
32	16	VSA22B320	10	-	0.310	115	67	147	87	54	51	2.9
40	16	VSA22B400	10	-	0.450	140	79	233	102	62	59	3.6
50	16	VSA22B500	6	-	0.800	150	90	265	119	72	70	4.5
63	16	VSA22B630	3	-	1.255	165	107	278	146	86	84	5.7
75	16	VSA22B750	1	-	2.400	185	129	348	179	110	103	6.8
90	10	VSA22B900	1	-	3.625	200	143	350	209	128	120	8.2
110	10	VSA22B910	-	-	0.001	220	169	412	250	150	141	10.0



## Robinet cu bila safeblock ISO PVC-U Semiolandez pentru lipire cu solvent



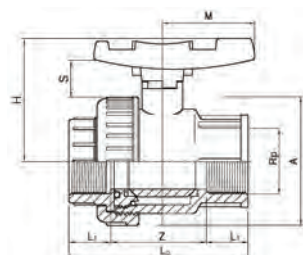
PF 2 02 956 010

d [mm]	d [inch]	DN [mm]	PN	Cod	SP	GP	kg
16		10	16	VSA18I160	180	-	0.100
20		15	16	VSA18I200	180	-	0.100
25		20	16	VSA18I250	120	-	0.160
32		25	16	VSA18I320	75	-	0.230
40		32	16	VSA18I400	45	-	0.340
50		40	16	VSA18I500	30	-	0.525
63		50	16	VSA18I630	16	-	0.890
75	2 1/2	65	10	VSA18I750	8	-	1.640
90		80	10	VSA18I900	5	-	2.450
110		100	10	VSA18I910	2	-	4.100

d [mm]	A [mm]	H [mm]	M [mm]	S [mm]	L1 [mm]	Z [mm]	L2 [mm]
16	50	53	40	19	14	48	76
20	50	53	40	19	16	48	80
25	59	60	45	19	19	53	91
32	68	67	51	21	22	58	102
40	80	79	59	25	26	68	120
50	94	90	70	28	31	78	140
63	115	107	84	29	38	93	169
75	145	129	103	32	44	118	206
90	168	143	120	36	51	140	242
110	210	169	141	43	61	160	282



## Robinet cu bila safeblock B.S.P. PVC-U Semiolandez cu F.I.



PF 2 02 956 010

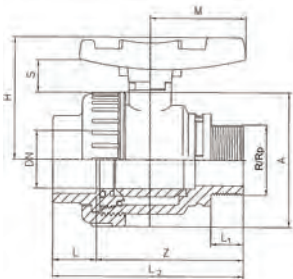
FI [inch]	DN [mm]	PN	EPDM Cod	SP	GP	kg	A [mm]	H [mm]	M [mm]	S [mm]	L1 [mm]	Z [mm]	L2 [mm]
3/8	10	16	VSA18F160	180	-	0.100	50	53	40	19	14	48	76
1/2	15	16	VSA18F200	180	-	0.100	50	53	40	19	16	48	80
3/4	20	16	VSA18F250	120	-	0.160	59	60	45	19	19	53	91
1	25	16	VSA18F320	75	-	0.230	68	67	51	21	22	58	102
1 1/4	32	16	VSA18F400	45	-	0.335	80	79	59	25	26	68	120
1 1/2	40	16	VSA18F500	30	-	0.515	94	90	70	27	31	78	140
2	50	16	VSA18F630	18	-	0.890	115	107	84	29	38	93	169
2 1/2	65	10	VSA18F750	8	-	1.620	145	129	103	32	44	118	206
3	80	10	VSA18F900	5	-	2.420	168	143	120	36	51	140	242
4	100	10	VSA18F910	2	-	4.015	210	169	141	43	61	160	282







## Robinet cu bila safeblock B.S.P. PVC-U Semiolandez cu F.I./F.E.

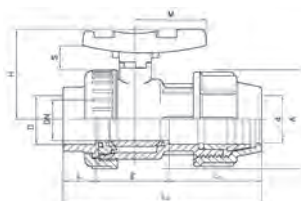


PF 2 02 956 010

FI/FE [inch]	PN	EPDM Cod	SP	GP	kg	A [mm]	H [mm]	M [mm]	S [mm]	L [mm]	Z [mm]	L1 [mm]	L2 [mm]
3/8	16	VSA18S160	180	-	0.095	50	53	40	19	14	53	12.0	67
1/2	16	VSA18S200	180	-	0.095	50	53	40	19	16	55	15.0	71
3/4	16	VSA18S250	120	-	0.150	59	60	45	19	19	61	16.5	80
1	16	VSA18S320	75	-	0.210	68	67	51	21	22	68	19.5	90
1 1/4	16	VSA18S400	45	-	0.320	80	79	59	25	26	84	21.5	110
1 1/2	16	VSA18S500	30	-	0.500	94	90	70	27	31	97	21.5	128
2	16	VSA18S630	18	-	0.845	115	107	84	29	38	119	25.5	157



## Robinet cu bila safeblock PVC-U Prindere prin compresie



PF 2 02 956 010

d-d [mm]	DN [mm]	PN	EPDM Cod	SP	GP	kg							
50 - 50	40	16	VSA18P500	18	-	0.515							

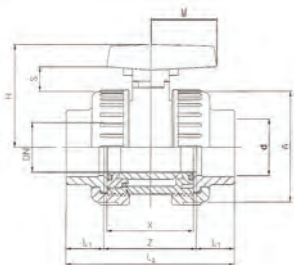
  

d-d [mm]	A [mm]	H [mm]	M [mm]	S [mm]	L1 [mm]	Z [mm]	L2 [mm]	L [mm]					
50 - 50	94	90	69.5	27	88	63	182	31					



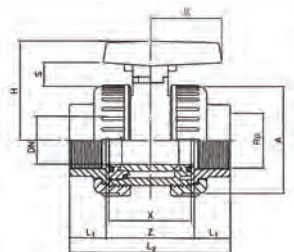
# PVC-U robineti cu bila non safeblock

## Robinet cu bila ISO PVC-U Dublu olandez pentru lipire cu solvent



PF 2 02 956 010

d [mm]	DN [mm]	PN	EPDM Cod	SP	GP	kg	A [mm]	H [mm]	M [mm]	S [mm]	X [mm]	L1 [mm]	Z [mm]	L2 [mm]
20	15	16	VSA21I200	150	-	0.130	50	51	36	12	42	16	48	80
25	20	16	VSA21I250	100	-	0.205	59	58	39	15	48	19	53	91
32	25	16	VSA21I320	60	-	0.300	68	65	45	16	54	22	58	102
40	32	16	VSA21I400	38	-	0.430	80	76	51	18	62	26	68	120
50	40	16	VSA21I500	24	-	0.655	94	88	57	21	72	31	78	140
63	50	16	VSA21I630	13	-	1.120	115	103	66	23	86	38	93	169



PF 2 02 956 010

## Robinet cu bila B.S.P PVC-U Dublu olandez cu F.I.

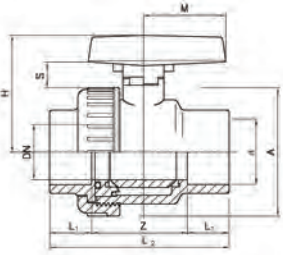
FI [inch]	DN [mm]	PN	EPDM Cod	SP	GP	kg								
1/2	15	16	VSA21F200	150	-	0.130								
3/4	20	16	VSA21F250	100	-	0.205								
1	25	16	VSA21F320	60	-	0.300								
1 1/4	32	16	VSA21F400	38	-	0.430								
1 1/2	40	16	VSA21F500	24	-	0.655								
2	50	16	VSA21F630	16	-	1.120								

FI [inch]	A [mm]	H [mm]	M [mm]	S [mm]	X [mm]	L1 [mm]	Z [mm]	L2 [mm]						
1/2	50	51	36	12	42	16	48.0	80						
3/4	59	58	39	15	48	19	53.0	91						
1	68	65	45	16	54	22	58.0	102						
1 1/4	80	76	51	18	62	26	68.0	120						
1 1/2	94	88	57	21	72	31	78.0	140						
2	115	103	66	23	86	38	93.0	169						



## Robinet cu bila ISO PVC-U Semiolandez pentru lipire cu solvent

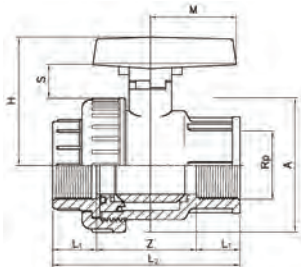


d [mm]	DN [mm]	PN	EPDM Cod	SP	GP	kg
20	15	16	VSA11I200	180	-	0.103
25	20	16	VSA11I250	120	-	0.160
32	25	16	VSA11I320	75	-	0.230
40	32	16	VSA11I400	48	-	0.340
50	40	16	VSA11I500	30	-	0.525
63	50	16	VSA11I630	16	-	0.890
75	65	10	VSA11I750	8	-	1.645
90	80	10	VSA11I900	5	-	2.450
110	100	10	VSA11I910	2	-	4.100

d [mm]	A [mm]	H [mm]	M [mm]	S [mm]	X [mm]	L1 [mm]	Z [mm]	L2 [mm]
20	50	51	36	12	42	16	48	80
25	59	58	39	15	48	19	53	91
32	68	65	45	16	54	22	58	102
40	80	76	51	18	62	26	68	120
50	94	88	57	21	72	31	78	140
63	115	103	66	23	86	38	93	169
75	145	124	78	24	110	44	118	206
90	168	137	84	26	128	51	140	242
110	210	162	96	28	150	61	160	282

PF 2 02 956 010

## Robinet cu bila B.S.P. PVC-U Semiolandez cu F.I.



FI [inch]	DN [mm]	PN	EPDM Cod	SP	GP	kg	A [mm]	H [mm]	M [mm]	S [mm]	X [mm]	L1 [mm]	Z [mm]	L2 [mm]
1/2	15	16	VSA11F200	180	-	0.105	50	51	36	12	42	16	48	80
3/4	20	16	VSA11F250	120	-	0.160	59	58	39	15	48	19	53	91
1	25	16	VSA11F320	75	-	0.230	68	65	45	16	54	22	58	102
1 1/4	32	16	VSA11F400	48	-	0.335	80	76	51	18	62	26	68	120
1 1/2	40	16	VSA11F500	30	-	0.515	94	88	57	21	72	31	78	140
2	50	16	VSA11F630	18	-	0.893	115	103	66	23	86	38	93	169

PF 2 02 956 010



# Piese de schimb - robineti cu actionare manuala

## Maner albastru

Compatibil cu VSA22 - VSA18



d [mm]	DN [mm]	Cod	SP	GP
16 - 20	15	<b>3VMNG0D20</b>	-	-
25	20	<b>3VMNG0D25</b>	-	-
32	25	<b>3VMNG0D32</b>	-	-
40	32	<b>3VMNG0D40</b>	-	-
50	40	<b>3VMNG0D50</b>	-	-
63	50	<b>3VMNG0D63</b>	-	-
75	65	<b>3VMNG0D75</b>	-	-
90	80	<b>3VMNG0D90</b>	-	-
110	100	<b>3VMNG0D91</b>	-	-

## Maner gri

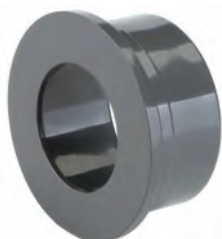
Compatibil cu VSA11 - VSA21



d [mm]	DN [mm]	Cod	SP	GP
16 - 20	10 - 15	<b>3VMNG0A20</b>	-	-
25	20	<b>3VMNG0A25</b>	-	-
32	25	<b>3VMNG0A32</b>	-	-
40	32	<b>3VMNG0A40</b>	-	-
50	40	<b>3VMNG0A50</b>	-	-
63	50	<b>3VMNG0A63</b>	-	-
75	65	<b>3VMNG0A75</b>	-	-
90	80	<b>3VMNG0A90</b>	-	-
110	100	<b>3VMNG0A91</b>	-	-

## Capat olandez lipire PVC-U metric

Compatibil cu VSA



d [mm]	d [inch]	PN	Cod	SP	GP
16		16	<b>3VCLV1116</b>	-	-
20		16	<b>3VCLV1120</b>	-	-
25		16	<b>3VCLV1125</b>	-	-
32		16	<b>3VCLV1132</b>	-	-
40		16	<b>3VCLV1140</b>	-	-
50		16	<b>3VCLV1150</b>	-	-
63		16	<b>3VCLV1163</b>	-	-
75	2 1/2	10	<b>3VCLV1175</b>	-	-
90		10	<b>3VCLV1190</b>	-	-
110		10	<b>3VCLV1191</b>	-	-

## Set garnituri

Compatibil cu VSA



d [mm]	EPDM/PTFE/PE Cod	SP	GP	kg
16	<b>XSASED160</b>	-	-	0.010
20	<b>XSASED200</b>	-	-	0.010
25	<b>XSASED250</b>	-	-	0.010
32	<b>XSASED320</b>	-	-	0.010
40	<b>XSASED400</b>	-	-	0.015
50	<b>XSASED500</b>	-	-	0.025
63	<b>XSASED630</b>	-	-	0.035
75	<b>XSASED750</b>	-	-	0.045
90	<b>XSASED900</b>	-	-	0.070
110	<b>XSASED910</b>	-	-	0.080

PF 2 02 962 010





## Piulita olandez PVC-U

Compatibil cu VSA - VSI - VRO - VRI

d [mm]	DN [mm]	Cod	SP	GP
16 - 20	10 - 15	3VGHR0A20	-	-
25	20	3VGHR0A25	-	-
32	25	3VGHR0A32	-	-
40	32	3VGHR0A40	-	-
50	40	3VGHR0A50	-	-
63	50	3VGHR0A63	-	-
75	65	3VGHR0A75	-	-
90	80	3VGHR0A90	-	-
110	100	3VGHR0A91	-	-



## Capat olandez filetat B.S.P. PVC-U

Compatibil cu VSA

G [inch]	PN	Cod	SP	GP
3/8	16	3VCLV1F16	-	-
1/2	16	3VCLV1F20	-	-
3/4	16	3VCLV1F25	-	-
1	16	3VCLV1F32	-	-
1 1/4	16	3VCLV1F40	-	-
1 1/2	16	3VCLV1F50	-	-
2	16	3VCLV1F63	-	-
2 1/2	10	3VCLV1F75	-	-
3	10	3VCLV1F90	-	-
4	10	3VCLV1F91	-	-



## Terminatie T/T PVC-U metric

Compatibil cu VSA

d [mm]	PN	Cod	SP	GP
16	16	3VCLV1Y16	-	-
20	16	3VCLV1Y20	-	-
25	16	3VCLV1Y25	-	-
32	16	3VCLV1Y32	-	-
40	16	3VCLV1Y40	-	-
50	16	3VCLV1Y50	-	-
90	10	3VCLV1Y90	-	-
110	10	3VCLV1Y91	-	-



## Terminatie PE100

Compatibil cu VSA - VRO - VRV - VRI

d [mm]	DN [mm]	PN	Cod	SP	GP
20	15	10	3ECLV200	-	-
25	20	10	3ECLV250	-	-
32	25	10	3ECLV320	-	-
40	32	10	3ECLV400	-	-
50	40	10	3ECLV500	-	-
63	50	10	3ECLV630	-	-
75	65	10	3ECLV750	-	-
90	80	10	3ECLV900	-	-
110	100	10	3ECLV910	-	-





# PVC-U VSA Robineti cu bila cu actuator electric

## Caracteristici generale ale robinetilor

Robinet cu bila cu olandez dublu - tip compact - caracterizat prin manevrare optima (cuplu scazut).

## Instalare si utilizare

Asigurati-va ca folositi voltajul corect. Trebuie sa acordati atentie speciala alinierii instalatiei si lungimii tevii pentru a se obtine cele mai bune rezultate la sudare.

Va rugam cititi instructiunile specifice pentru asamblarea robinetilor cu bila de tip VSA.

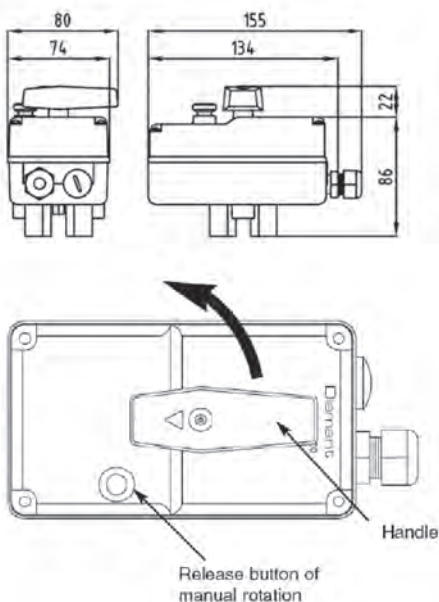
Departamentul tehnic va va ajuta cu brosurile cu instructiuni de instalare.

## Specificatii tehnice

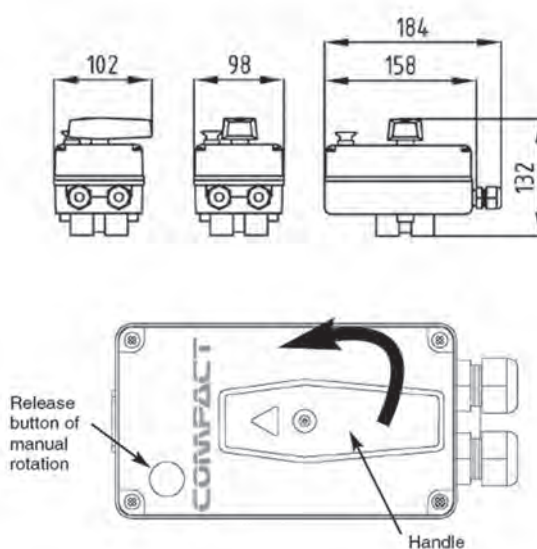
Robinet:	DN de la 10 pana la 40	DN 50
Model:	DIAMANT2000	COMPACT
Tipe:	Bidirectional Deschidere manuala	Bidirectional Deschidere manuala
Alimentare electrica :	24V* 50Hz	24V* 50Hz
Ciclu de functionare	100%	100%
Putere absorbita :	de la 6,1 pana la 16,7 VA ( 230V) de la 6,1 pana la 7,5 VA ( 24V)	12 VA
Timp de deschidere	35 sec. ( 90°)	50 sec. ( 90°)
Grad de protectie	IP 65	IP 65
Cuplu:	11 Nm	35Nm
Temperatura de servici :	-10 + 50°C	-10 + 50°C
Servocontrol:	3 puncte fara releu 1 contact aditional	3 puncte fara releu 2 contacte aditionale
Prindere :	ISO5211 F03 – F05 q 9-11	ISO5211 F05 q 11

\* Upon request versions 230V 50Hz available

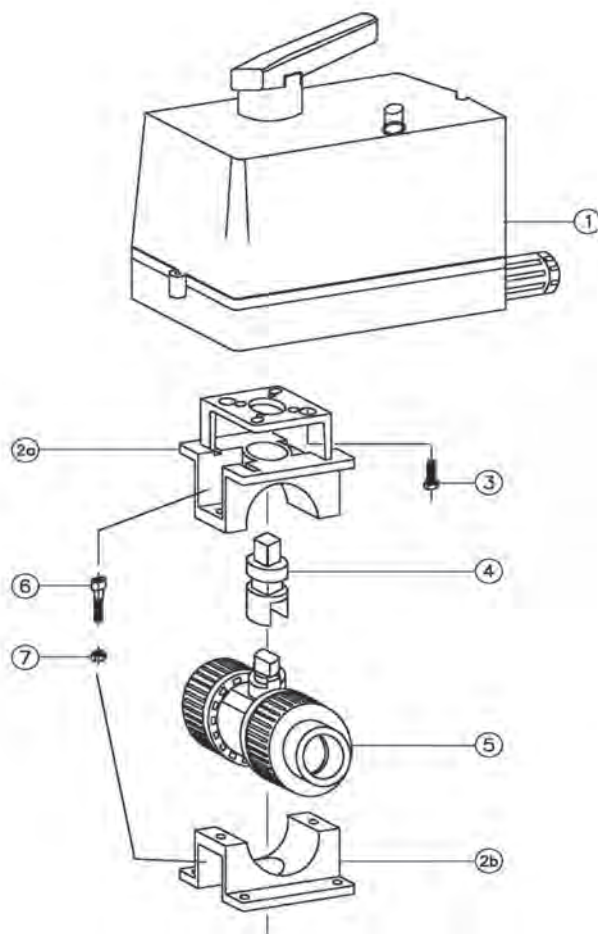
**DIAMANT**  
DIMENSIUNI GENERALE (mm)  
MODEL DE BAZA



**COMPACT**  
DIMENSIUNI DE GENERALE (mm)  
MODEL DE BAZA CU ATASAMENT ISO 5211



# PVC-U VSA VSA Robineti cu bila cu actuator electric



## COMPONENTS

Pos	Componente	n°	Material
1	Actuator	1	-
2a	Colier superior	1	PVC
2b	Colier inferior	1	PVC
3	Surub	4	INOX
4	Ax	1	INOX
5	Robinet VSA	1	PVC
6	Suruburi de fixare	2	INOX

PVC: Policlorura de vinil  
INOX: Otel inoxidabil

## DEMONTAREA SI REASAMBLAREA PENTRU MENTENANTA

Robinetii nostri se vand complet asamblati si gata de instalare .

Pentru intretinerea componentelor urmati pasii de mai jos:

1- Inchideti alimentarea actuatorului de la sursa de energie electrica conform schemei electrice.

2- Desurubati cele doua suruburi conectoare (6) care fixeaza colierele actuatorului (2).

3- Acum este posibi la extragerea axului (4) si repararea robinetului sau a actuatorului .

- Pentru demontarea robinetului va rugam folositi instructiunile specifice (cf. VSA)

- Pentru intretinerea sau inlocuirea motorului desurubati suruburile (3) pentru a separa colierul superior (2) de pe corpul actuatorului (1).

Pentru a reasambla valva efectuati operatiile in sens invers, curatand si insuruband bine fiecare componenta .

# PVC-U robineti cu bila cu actuator electric

## Robinet cu bila electric 24V AC PVC-U

- VSE22I... = ISO lipire cu solvent  
VSE22F...= filetat F.I.



FI [inch]	d [mm]	DN [mm]	PN	EPDM Cod	SP	GP	kg
3/8		10	6	VSE22F160	-	-	1.420
1/2		15	6	VSE22F200	-	-	1.420
3/4		20	6	VSE22F250	-	-	1.500
1		25	6	VSE22F320	-	-	1.518
1 1/4		32	6	VSE22F400	-	-	2.550
1 1/2		40	6	VSE22F500	-	-	2.800
2		50	6	VSE22F630	-	-	3.400
	16	10	6	VSE22I160	-	-	1.420
	20	15	6	VSE22I200	-	-	1.420
	25	20	6	VSE22I250	-	-	1.500
	32	25	6	VSE22I320	-	-	1.518
	40	32	6	VSE22I400	-	-	2.550
	50	40	6	VSE22I500	1	-	2.800
	63	50	6	VSE22I630	-	-	3.400

FI [inch]	I [mm]	I1 [mm]	E [mm]	E1 [mm]	E2 [mm]	E3 [mm]	E4 [mm]	H [mm]	H1 [mm]
3/8	59	41	74	56.0	79.0	112.0	50	228	32
1/2	59	41	74	56.0	79.0	112.0	50	228	32
3/4	61	41	76	56.0	79.0	112.0	50	228	37
1	71	41	86	56.0	79.0	112.0	50	228	43
1 1/4	82	45	97	60.0	79.0	112.0	50	228	49
1 1/2	95	49	110	64.0	79.0	112.0	50	228	57
2	113	55	128	70.0	79.0	112.0	50	228	68
	59	41	74	56.0	79.0	112.0	50	228	32
	59	41	74	56.0	79.0	112.0	50	228	32
	61	41	76	56.0	79.0	112.0	50	228	37
	71	41	86	56.0	79.0	112.0	50	228	43
	82	45	97	60.0	79.0	112.0	50	228	49
	95	49	110	64.0	79.0	112.0	50	228	57
	113	55	128	70.0	79.0	112.0	50	228	68

PF 2 02 959 011



# Piese de schimb pentru robineti cu actuator

## Inox

### Pentru robineti cu bila electrice



Compatibil cu VSA

- Actuator electric  $\varnothing$  8x8 &  $\varnothing$  11x11 :  
 Capul patrat  $\varnothing$  8x8 este la 45°.  
 Pentru alte dimensiuni va rugam sa apelati la departamentul de vanzari.  
 Capul patrat  $\varnothing$  11x11 este la 45°.  
 Pentru alte dimensiuni va rugam sa apelati la departamentul de vanzari.

d [mm]	Cod	SP	GP	A [mm]	H [mm]
20	2AST04200	-	-	88	16.0
25	2AST04250	-	-	8	16.0
32	2AST04320	-	-	8	8.0
40	2AST02400	-	-	11	12.0
50	2AST02500	-	-	11	12.0
63	2AST02630	-	-	11	12.0

### Colier pentru robinet cu bila

#### Cu 6 suruburi + 2 piulite

Compatibil cu VSA



d [mm]	DN [mm]	Cod	SP	GP	kg	E [mm]	E1 [mm]	I [mm]	I1 [mm]	I2 [mm]	I3 [mm]	H1 [mm]
16	10	AVSSVM160	-	-	1.000	74	56.0	59	41	25	35	106
20	15	AVSSVM200	-	-	0.334	74	56.0	59	41	25	35	106
25	20	AVSSVM250	-	-	0.342	76	56.0	61	41	25	35	116
32	25	AVSSVM320	-	-	0.342	86	56.0	71	41	25	35	127
40	32	AVSSVM400	-	-	0.377	97	60.0	82	45	25	35	140
50	40	AVSSVM500	-	-	0.426	110	64.0	95	49	25	35	156
63	50	AVSSVM630	-	-	0.506	124	70.0	113	55	25	35	177

PF 2 02 962 011

### Colier pentru robinet cu bila

#### Cu 2 suruburi + 2 piulite

Compatibil cu VSA



d [mm]	Cod	SP	GP	kg
20	AVSSTF200	-	-	0.132
25	AVSSTF250	-	-	0.142
32	AVSSTF320	-	-	0.152
40	AVSSTF400	-	-	0.197
50	AVSSTF500	42	-	0.256
63	AVSSTF630	28	-	0.356

PF 2 02 962 011



# PVC-U Robineti cu bila pentru irigatii

## Caracterisitici generale

Robineti cu bila PVC negru – model economic – recomandat pentru instalare in aer liber si pentru sistemele de irigatii. Este disponibil cu F/F - M/F, imbinare rapida si imbinare rapida dubla la conexiunea din capat.

### PRESIUNE MAXIMA DE LUCRU

Informatiile tehnice trebuie utilizate ca ghid. Va rugam contactati departamentul tehnic pentru intrebari specifice.

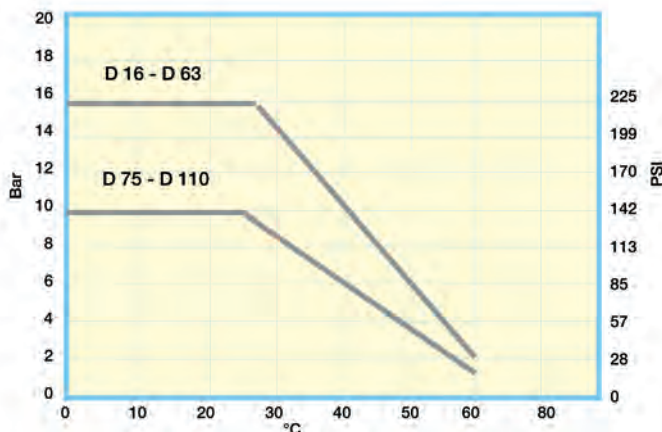
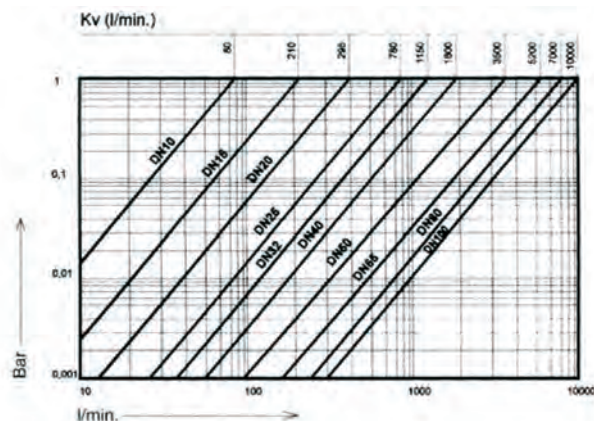


Diagrama presiune - temperatura pentru apa.

### PIERDERE DE SARCINA



Cu apa la 20°C si robinetul in pozitie deschisa.

### CUPLU

D	G	Nm
16-20	3/8"-1/2"	0,8
25	3/4"	2,5
32	1"	4
40	1" 1/4	8
50	1" 1/2	10
63	2"	14
75	2" 1/2	25
90	3"	32
110	4"	50

Cuplu maxim la presiune maxima.

### Instalare si utilizare

Pentru o etansare completa se recomanda infasurarea capatului in banda PTFE de buna calitate. Toate conexiunile cu capetele conice trebuie evitate pentru ca in cele din urma pot distruge imbinarile in timpul procedurilor.

Evitati folosirea cheilor pentru strangerea piulitelor pentru ca se pot produce distrugerii.

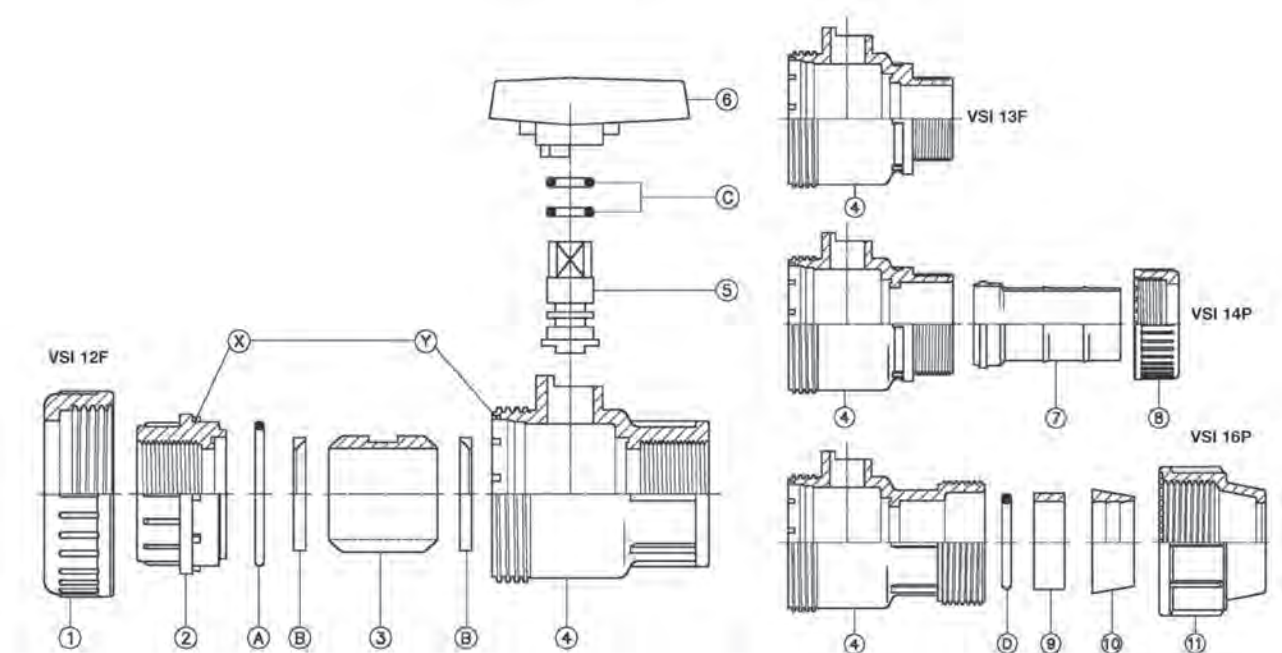
Nisipul sau alte impuritati nu trebuie sa fie prezente la instalare pentru ca pot avaria bila sau scaunul.

Utilizare unei chei nu este permisa. Este important sa se evite inchiderea si deschiderea rapida a valvei pentru ca presiunea apei sa nu creeze avarii conductei. Este necesar ca intreaga instalatie si personalul de intretinere sa cunoasca adezivul corespunzator si procedurile de imbinare.

Departamentul tehnic va poate pune la dispozitie brosure informative cu privire la instalare.



# PVC-U Robineti cu bila pentru irigatii



## COMPONENTE

Pos		n°	Material
1	Piulita olandez	1	PVC
2	Olandez	1	PVC
3	Bila	1	PVC
4	Corp	1	PVC
5	Ax	1	PVC
6	Maner	1	PVC
7	Adaptor furtun	1	PP
8	Piulita adaptor	1	PVC
9	Saiba	1	PVC
10	Clema	1	POM
11	Piulita compresiune	1	PVC
A	O-ring support	1	EPDM
B	Ball seal	2	PTFE+PE
C	O-ring stem	2	EPDM
D	Quick joint O-ring	1	EPDM

PVC: Cloruro di polivinile rigido

EPDM: Ethylene-propylene

PTFE+PE: Polytetra+fluoroethylene+polyethylene

POM: Polyacetale

PP: Polypropylene honopolymere thermoresistant

## DEZASAMBLAREA SI REASAMBLAREA IN CAZ DE MENTENANTA

Robinetii cu semiolandez VSI dezasamblati in mod radial de pe instalatie.

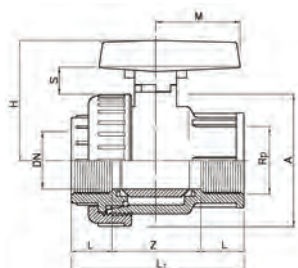
TP nu recomanda scoaterea suportului (2) din scaunul acestuia in timpul executiei unei conexiuni. In orice caz daca robinetul este dezasamblat , asigurati -va ca O-ring-ul (A) nu paraseste canalul si introduceti dintii (X) ai suportului (2) in scaunul corect (Y).

Dupa scoaterea suportului (2) este posibila verificarea si schimparea partilor interene ale robinetului .

Pentru a reasambla valva efectuati operatiile in sens invers, curatand si insuruband bine fiecare componenta.

# PVC-U robineti cu bila pentru irigatii

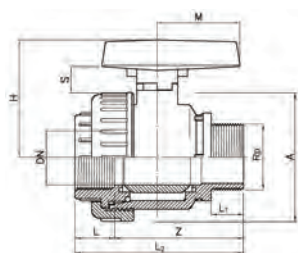
## Robinet cu bila B.S.P PVC-U Semiolandez cu F.I.



PF 2 02 958 010

FI [inch]	PN	EPDM Cod	SP	GP	kg	A [mm]	H [mm]	M [mm]	S [mm]	L [mm]	Z [mm]	L1 [mm]
1/2	16	VSI12F200	200	-	0.095	50	51	36	12	16	36	68
3/4	16	VSI12F250	120	-	0.150	59	58	39	15	19	42	80
1	16	VSI12F320	75	-	0.220	68	65	45	16	22	46	90
1 1/4	16	VSI12F400	50	-	0.320	80	76	51	18	24	53	101
1 1/2	16	VSI12F500	30	-	0.490	94	88	57	21	24	63	111
2	16	VSI12F630	18	-	0.830	115	103	66	23	28	78	134
2 1/2	10	VSI12F750	10	-	1.525	145	124	78	24	33	96	162
3	10	VSI12F900	6	-	2.260	168	137	84	26	36	108	180
4	10	VSI12F910	2	-	4.370	210	162	96	28	42	139	223

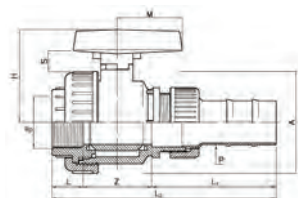
## Robinet cu bila B.S.P. PVC-U Semiolandez cu F.I./F.E.



PF 2 02 958 010

FE/FI [inch]	PN	EPDM Cod	SP	GP	kg	A [mm]	H [mm]	M [mm]	S [mm]	L [mm]	Z [mm]	L1 [mm]	L2 [mm]
1/2	16	VSI13F200	200	-	0.095	50	51	36	12	16	55	15.0	71
3/4	16	VSI13F250	120	-	0.150	59	58	39	15	19	61	16.5	80
1	16	VSI13F320	75	-	0.210	68	65	45	16	22	68	19.5	90
1 1/4	16	VSI13F400	50	-	0.320	80	76	51	18	24	84	21.5	108
1 1/2	16	VSI13F500	30	-	0.495	94	88	57	21	24	97	21.5	121
2	16	VSI13F630	18	-	0.845	115	103	66	23	28	119	25.5	147

## Robinet cu bila cu adaptor furtun PVC-U

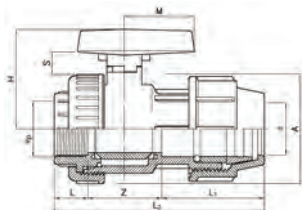


PF 2 02 958 010

d [mm]	FI [inch]	PN	EPDM Cod	SP	GP	kg	A [mm]	H [mm]	M [mm]	S [mm]	L [mm]	Z [mm]	L1 [mm]	L2 [mm]
32	1	16	VSI14P32D	50	-	0.260	115	103	66	23	22	68	75	165



## Robinet cu bila prindere prin compresiune PVC-U



PF 2 02 958 010

d [mm]	FI [inch]	PN	EPDM Cod	SP	GP	kg	A [mm]	H [mm]	M [mm]	S [mm]	L [mm]	Z [mm]	L1 [mm]	L2 [mm]
20	1 ½	16	VSI16P200	130	-	0.135	50	514	36	12	16	36	50	102
25	½	16	VSI16P250	90	-	0.200	59	58	39	15	19	42	57	118
32	1	16	VSI16P320	50	-	0.300	68	65	45	16	22	46	64	132
40	1 ¼	16	VSI16P400	10	-	0.460	80	76	51	18	24	53	76	153
50	1 ½	16	VSI16P500	20	-	0.730	94	88	57	21	24	63	88	175
63	2	16	VSI16P630	12	-	1.200	115	103	66	23	28	78	100	206



# PP Robineti cilindrici pentru irigatii

## Robinet derivatie cu cauciuc/banda



PF 2 02 958 012

d-d [mm]	PN	Cod	SP	GP	kg
16 - 16	4	VCLDGT16A	400	400	0.024

## Robinet cu F.E./banda



PF 2 02 958 012

G [inch]	d [mm]	PN	Cod	SP	GP	kg
1/2	16	4	VCLFMT20A	450	450	0.025
3/4	16	4	VCLFMT25A	400	400	0.027

## Robinet derivatie cu cauciuc/banda si piulita fixa



PF 2 02 958 012

d-d [mm]	PN	Cod	SP	GP	kg
16 - 16	4	VCLDGF16A	400	400	0.024

## Robinet derivatie cu cauciuc

Compatibil cu teava PE sau PN 4-6



PF 2 02 958 012

d-d [mm]	PN	Cod	SP	GP	kg
16 - 16	4	VCLDGE16A	400	400	0.025
16 - 20	4	VCLDGE16B	400	400	0.028

## Robinet cu F.E.

Compatibil cu teava PR or PN 4-6



PF 2 02 958 012

G [inch]	d [mm]	PN	Cod	SP	GP	kg
1/2	16	4	VCLFME20A	450	450	0.025
1/2	20	4	VCLFME20B	400	400	0.028
3/4	16	4	VCLFME25A	400	400	0.028
3/4	20	4	VCLFME25B	350	350	0.031

## Robinet adaptor furtun



PF 2 02 958 012

d-d [mm]	PN	Cod	SP	GP	kg
16 - 16	4	VCLPRG160	500	500	0.016
20 - 20	4	VCLPRG200	500	500	0.020
25 - 25	4	VCLPRG250	400	400	0.020





## Robinet derivatie cu cauciuc/adaptor furtun

PF 2 02 958 012

d-d [mm]	PN	Cod	SP	GP	kg
16 - 16	4	VCLDGP16A	500	500	0.017
16 - 20	4	VCLDGP16B	500	500	0.018
16 - 25	4	VCLDGP16C	500	500	0.020



## Robinet cu F.E/adaptor furtun

PF 2 02 958 012

G [inch]	d [mm]	PN	Cod	SP	GP	kg
1/2	16	4	VCLFMP20A	50	500	0.018
1/2	20	4	VCLFMP20B	500	500	0.018
3/4	16	4	VCLFMP25A	400	400	0.020
3/4	20	4	VCLFMP25B	400	400	0.020
3/4	25	4	VCLFMP25C	400	400	0.020



## Robinet derivatie cu cauciuc/F.E.

PF 2 02 958 012

G [inch]	d [mm]	PN	Cod	SP	GP	kg
1/2	16	4	VCLDGM16B	500	500	0.018
3/4	16	4	VCLDGM16C	500	500	0.021



## Robinet F.E./F.E.

PF 2 02 958 012

G [inch]	G [inch]	PN	Cod	SP	GP	kg
1/2	1/2	4	VCLFMM200	500	500	0.019
3/4	3/4	4	VCLFMM250	400	400	0.030
1/2	3/4	4	VCLFMM20C	400	400	0.010



## Robinet derivatie cu cauciuc/inel

PF 2 02 958 012

d-d [mm]	PN	Cod	SP	GP	kg
16 - 16	4	VCLDGC160	500	500	0.025





# PVC-U Clapeti de sens

## Caracteristici generale

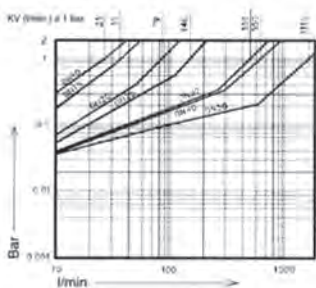
Clapeti de sens: toate tipurile sunt realizate cu aceleasi dimensiuni ca cele pentru robinetii cu bila VSA si pot fi demontati din retea prin simpla desurubare a celor doua piulite de imbinare.

VRO permite trecere a lichidului intr-o singura directie. Tipul VRO ca valva permite trecerea lichidului intr-un singur sens. Ca valva de aer permite trecere a lichidului.

sub presiune. Rezistenta chimica a materialelor este in concordanta cu ISO/TR 10358. Contactati furnizorul pentru detalii.

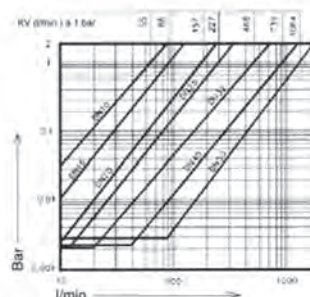
### VRO PIERDERE DE SARCINA

Informatiile tehnice trebuie folosite ca ghid. Consultati deparamentul tehnic pentru intrebari.



Cu apa la 20°C ( clapet cu arc )

### VRV-VRF PIERDERE DE SARCINA



Cu apa la 20°C ( clapet fara arc )

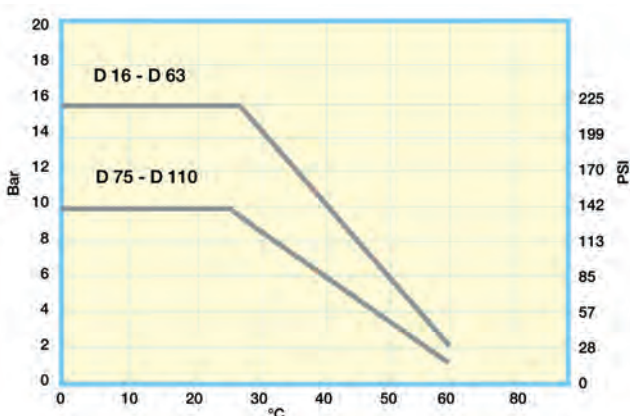


Diagrama presiune - temperatura pentru apa.

### PRESIUNE

D	G	VRO mm H <sub>2</sub> O	VRV/VRF mm H <sub>2</sub> O	Greutate g
16	3/8"	150	23	4
20	1/2"	150	23	4
25	3/4"	70	25	8
32	1"	32	22	11
40	1 1/4"	40	21	17
50	1 1/2"	38	24	30
63	2"	44	29	56

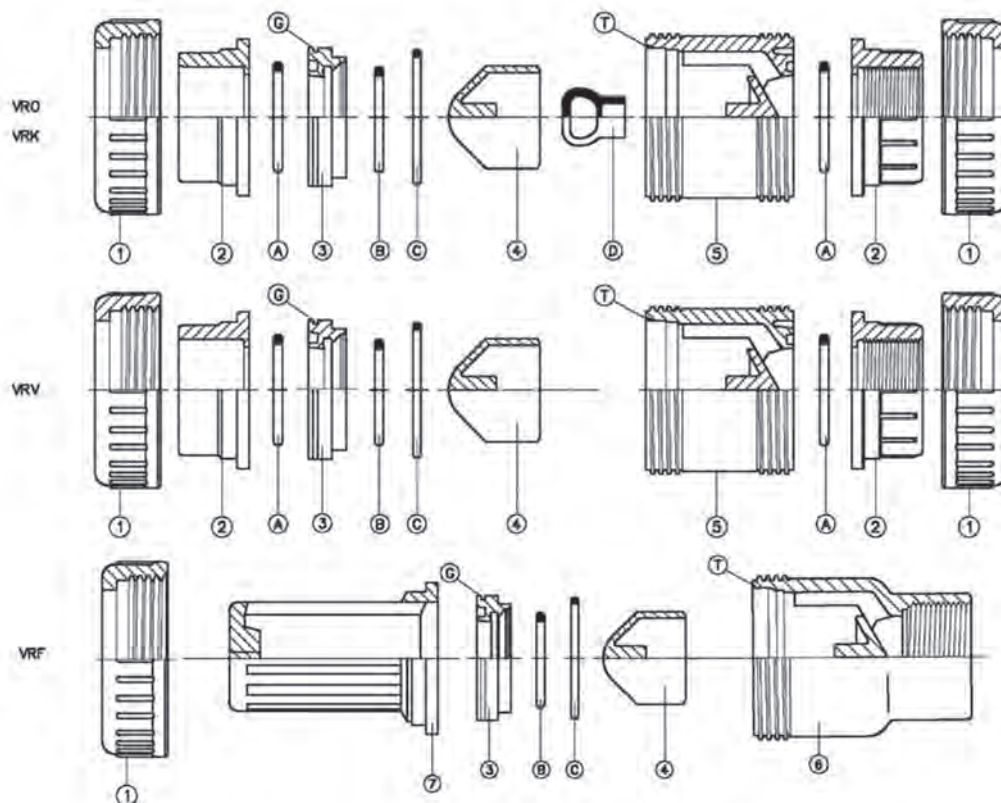
Presiune minima de deschidere (coloana de apa).

## Instalare si utilizare

Aveti grija in timpul lipirii conectorului din capatul tevilor, lipiciul sau solventul nu trebuie sa se scurga in nisa garniturii valvei. Capetele filetate nu trebuie conectate cu filete conice si trebuie evitata folosirea de canepa. O atentie deosebita trebuie acordata alinierii instalatiei si a lungimii tevii. Infiletati piulita de record doar cu mana. Nu se permite folosirea unei chei.

Este foarte important ca jonctiunile sa nu fie folosite pentru a aduce sistemul laolalta. Daca exista vreo scurgere de la una din piulite verificati aliniamentul sistemului si lungimea tevii. O insurubare excesiva a jonctiunii poate duce la ruperea acestora. Inainte ca valva sa fie folosita orice nisip, murdarie sau alte materiale straine trebuie eliminate din sistem. Acest lucru va preveni rodarea bilei si a locasurilor. Este necesar ca tot personalul de operare al instalatiei si cel din echipa de intretinere sa cunoasca adezivii potriviiti si procedura de jonctiune.

## PVC-U Clapeti de sens



### PRESIUNE

Pos	Componente	n°			Material
		VRO	VRV	VRF	
1	Piulita olandez	2	2	1	PVC
2	Capat olandez	2	2	-	PVC
3	Suport	1	1	1	PVC
4	Clapet	1	1	1	PVC
5	Corp	1	1	-	PVC
6	Corp filetat	-	-	1	PVC
7	Filt ru	-	-	1	PP
A	O-ring corp	2	2	1	EPDM
B	O-ring clapet	1	2	1	EPDM
C	O-ring suport	1	1	1	EPDM
D	Arc clapet	1	-	-	EPDM

PVC: Polyvinyl chloride

EPDM: Ethylene-propylene (DUTRAL °)

### Dezasamblarea si reasamblarea in caz de mentenanta

Desurubarea piulitei de imbinare (1) permite extragerea radiala din sistem a intregului grup central al valvei.

Pentru a ajunge la partile interne ale valvei efectuati operatiile urmatoare:

- 1 Scoateti suportul (3) din corpul central (5) folosind o surubelnita ca parghie intre cele doua porti in T ale corpului si santului G ale suportului.

- 2 Dupa demontarea suportului (3) si scoaterea garniturii O-ring C care se gaseste in corpul central (5), se poate ajunge la toate componentele valvelor si se pot verifica garniturile pentru o eventuala inlocuire.

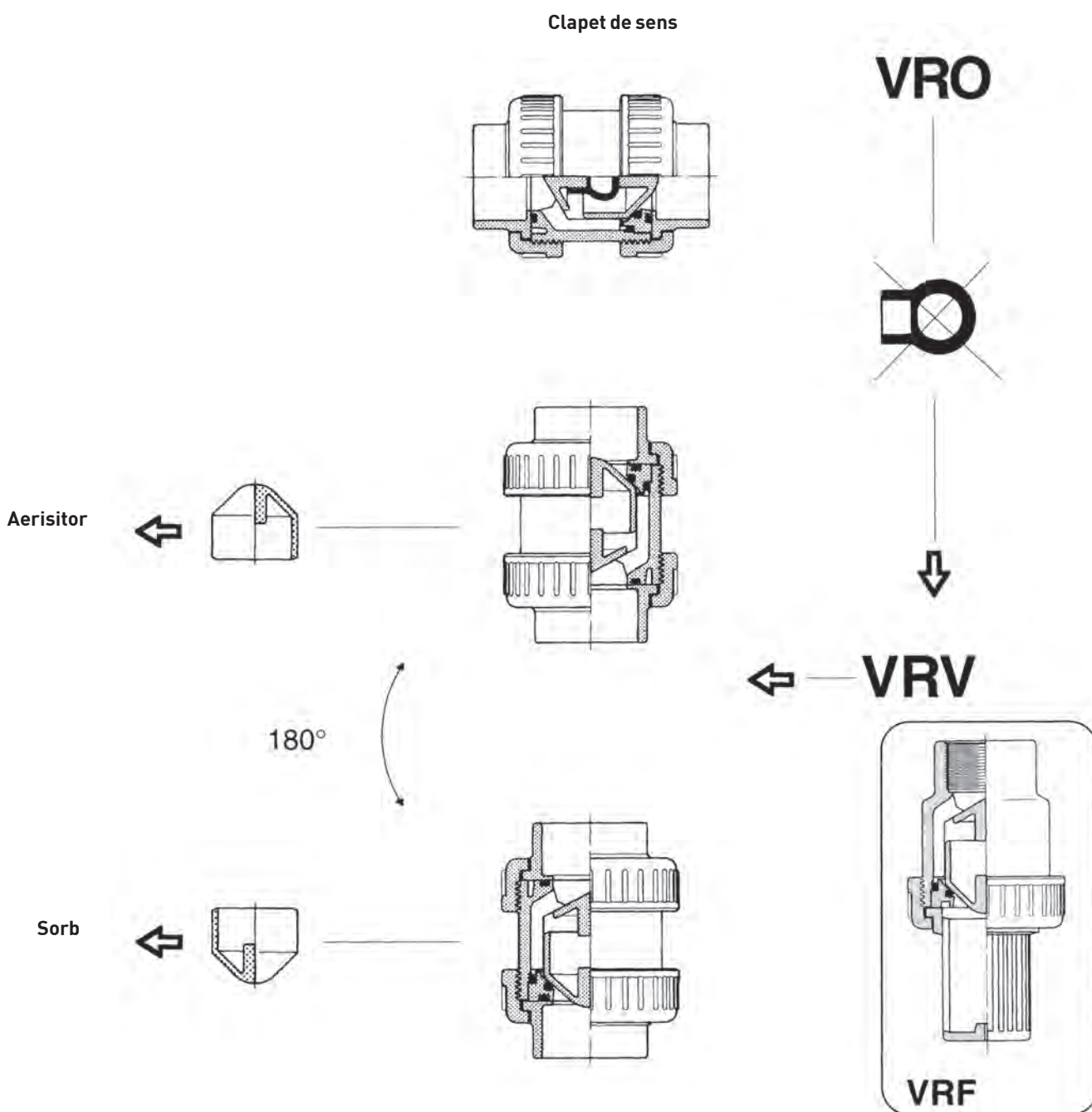
Pentru a asambla valva efectuati operatiile in sens invers cu atentie la plasarea corecta a garniturilor si gresarea acestora cu silicon.

## PVC-U Clapeti de sens

### Nou

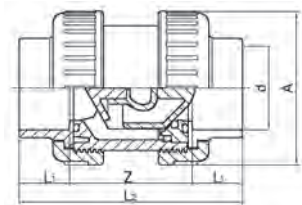
Tipul VRO are un arc intern de cauciuc. Scoaterea acestuia si orientarea valvei in directia corecta poate face din asta o valva unidirectionala sau o valva de eliminare a aerului.

Gama de valve VR are acealasi dimensiuni ca si valvele cu bila VSA, permitand fixarea pe perete cu acelasi tip de sistem. (cf. STF).



# PVC-U clapeti de sens & piese de schimb

## Clapet de sens ISO PVC-U Cu olandezi pentru lipire cu solvent

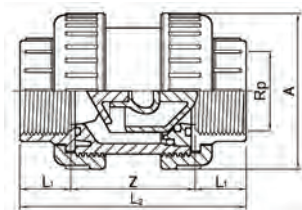


- Arc de cauciuc
- Standarde: ISO 727, EN 1452, DIN 8063, NF T54-028, BS 4346/1
- (\*)Corp si dimensiuni = 3"

d [mm]	d [inch]	PN	DN [mm]	EPDM Cod	SP	GP	kg	A [mm]	X [mm]	L1 [mm]	Z [mm]	L2 [mm]
16		16	10	VRO21I160	32	-	0.100	50	42	14	48	76
20		16	15	VRO21I200	32	-	0.100	50	42	16	48	80
25		16	20	VRO21I250	32	-	0.175	59	48	19	53	91
32		16	25	VRO21I320	20	-	0.245	68	54	22	58	102
40		16	32	VRO21I400	15	-	0.375	80	62	26	68	120
50		16	40	VRO21I500	6	-	0.580	94	72	31	78	140
63		16	50	VRO21I630	4	-	1.000	115	86	38	93	169
* 75	2 1/2	10	65	VRO21I750	2	-	2.950	168	110	44	118	206
90		10	80	VRO21I900	2	-	3.000	168	128	51	140	242

PF 2 02 961 010

## Clapet de sens B.S.P. PVC-U Cu olandezi cu F.I.

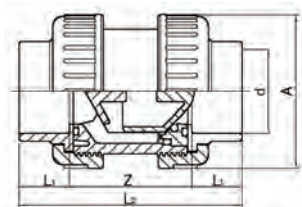


- Arc de cauciuc
- Standarde: UNI ISO 228/1, DIN 2999, BS21
- (\*)Corp si dimensiuni = 3"

FI [inch]	DN [mm]	PN	EPDM Cod	SP	GP	kg	A [mm]	X [mm]	L1 [mm]	Z [mm]	L2 [mm]
3/8	10	16	VRO21F160	32	-	0.110	50	42	14	48	76
1/2	15	16	VRO21F200	32	-	0.110	50	42	16	48	80
3/4	20	16	VRO21F250	32	-	0.175	59	48	19	53	91
1	25	16	VRO21F320	20	-	0.245	68	54	22	58	102
1 1/4	32	16	VRO21F400	15	-	0.370	80	62	24	68	116
1 1/2	40	16	VRO21F500	6	-	0.565	94	72	24	78	126
2	50	16	VRO21F630	4	-	0.995	115	86	28	93	149
* 2 1/2	65	10	VRO21F750	2	-	2.845	168	128	33	118	184
3	80	10	VRO21F900	2	-	2.960	168	128	36	140	212

PF 2 02 961 010

## Aerisor/sorb ISO PVC-U Cu olandezi pentru lipire cu solvent



- Standarde: ISO 727, EN 1452, DIN 8063, NF T54-028, BS 4346/1
- (\*)Corp si dimensiuni = 3"

d [mm]	d [inch]	DN [mm]	PN	EPDM Cod	SP	GP	kg	A [mm]	L1 [mm]	Z [mm]	L2 [mm]
16		10	16	VRV21I160	32	-	0.110	50	14	48	76
20		15	16	VRV21I200	32	-	0.110	50	16	48	80
25		20	16	VRV21I250	32	-	0.175	59	19	53	91
32		25	16	VRV21I320	20	-	0.245	68	22	58	102
40		32	16	VRV21I400	15	-	0.375	80	26	68	120
50		40	16	VRV21I500	6	-	0.575	94	31	78	140
63		50	16	VRV21I630	4	-	0.990	115	38	93	169
* 75	2 1/2	65	10	VRV21I750	2	-	2.845	168	44	118	206
90		80	10	VRV21I900	2	-	2.900	168	51	140	242

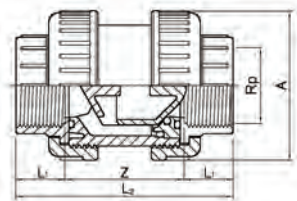
PF 2 02 961 010





## Aerisor/sorb B.S.P. PVC-U Cu olandezi cu F.I.

- Standarde: UNI ISO 228/1, DIN 2999, BS21
- (\*) Corp si dimensiuni = 3"

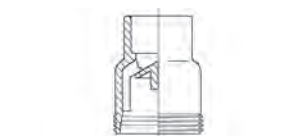


FI [inch]	DN [mm]	PN	EPDM Cod	SP	GP	kg	A [mm]	L1 [mm]	Z [mm]	L2 [mm]
3/8	10	16	VRV21F160	32	-	0.110	50	14	48	76
1/2	15	16	VRV21F200	32	-	0.110	50	16	48	80
3/4	20	16	VRV21F250	32	-	0.175	59	19	53	91
1	25	16	VRV21F320	20	-	0.240	68	22	58	102
1 1/4	32	16	VRV21F400	15	-	0.370	80	24	68	116
1 1/2	40	16	VRV21F500	6	-	0.555	94	24	78	126
2	50	16	VRV21F630	4	-	0.985	115	28	93	149
* 2 1/2	65	10	VRV21F750	2	-	2.870	168	33	118	184
3	80	10	VRV21F900	2	-	2.870	168	36	140	212

PF 2 02 961 010



## Sorb S/W PVC-U cu sita din PP

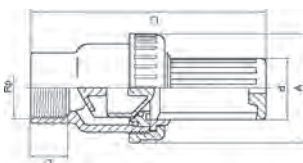


d [mm]	DN [mm]	PN	EPDM Cod	SP	GP	kg	A [mm]	d [mm]	L1 [mm]	L2 [mm]
20	15	16	VRF11I200	200	-	0.074	50	23	16	110
25	20	16	VRF11I250	120	-	0.120	59	30	19	130
32	25	16	VRF11I320	60	-	0.175	68	38	22	145
40	32	16	VRF11I400	40	-	0.259	80	48	26	162
50	40	16	VRF11I500	21	-	0.399	94	57	31	187
63	50	16	VRF11I630	15	-	0.690	115	71	38	215
90	80	10	VRF11I900	5	-	2.045	168	110	51	275

PF 2 02 961 010



## Sorb F.I. B.S.P. PVC-U cu sita din PP



FI [inch]	PN	EPDM Cod	SP	GP	kg	A [mm]	d [mm]	L1 [mm]	L2 [mm]
1/2	16	VRF11F200	200	-	0.074	50	23	16	110
1/2	16	VRF11F250	120	-	0.120	59	30	19	130
1	16	VRF11F320	60	-	0.175	68	38	22	145
1 1/4	16	VRF11F400	40	-	0.259	80	48	24	160
1 1/2	16	VRF11F500	21	-	0.399	94	57	24	180
2	16	VRF11F630	15	-	0.690	115	71	28	205
3	10	VRF11F900	5	-	2.045	168	110	36	260

PF 2 02 961 010



## Arc cauciuc

Compatibil cu VRO

d [mm]	EPDM Cod	SP	GP
20	2MLL01D20	-	-
25	2MLL01D25	-	-
32	2MLL01D32	-	-
40	2MLL01D40	-	-
50	2MLL01D50	-	-
63	2MLL01D63	-	-
75 - 90	2MLL01D90	-	-







## Sita PP sorb

Compatibil cu VRF

d [mm]	Rp [inch]	PN	Cod	SP	GP	kg
20	1/2	16	ARVSCPF20	-	-	0.010
25	3/4	16	ARVSCPF25	-	-	0.012
32	1	16	ARVSCPF32	-	-	0.019
40	1 1/4	16	ARVSCPF40	-	-	0.030
50	1 1/2	16	ARVSCPF50	-	-	0.045
63	2	16	ARVSCPF63	-	-	0.072
90	3	16	ARVSCPF90	-	-	0.165

PF 2 02 962 010



## Clapet de sens batant PVC-U

• Alti diametrii la cerere

d [mm]	DN [mm]	PN	EPDM Cod	SP	GP	kg
75	65	10	VVCLP750	30	-	0.406
90	80	10	VVCLP900	24	-	0.468
110	100	10	VVCLP910	15	-	0.660
125	125	10	VVCLP920	15	-	0.850
160	150	10	VVCLP940	5	-	1.250
200	200	10	VVCLP960	4	-	2.230

PF 2 02 956 013



# PVC-U Vane flutur

## Descriere generala

Noile vane flutur VFA sunt proiectate sa garanteze fiabilitatea, siguranta, inalta performanta si operarea simpla. Forma rationala si compacta si conceptul de constructie simplifica asamblarea si intretinerea de rutina. Noile vane sunt ideale pentru apa si fluide neutre.

## Caracteristici tehnice

### Versiuni disponibile

- Maneta
- Manivela
- Pre-asamblat cu flanse
- Actuator electric
- Actuator pneumatic

### Dimensiuni

- De la DN65 pana la DN200

### Material corp

- PVC-U

### Material garnitura

- Garnitura Oring - EPDM
- Garnituri flanse SANTOPRENE™

### Material ax

- Otel zincat
- Otel inoxidabil (optional)

## Aplicatii

Noile vane flutur au fost proiectate pentru a fi folosite in contact cu apa si fluide neutre in diferite contexte precum piscine, parcuri acvatice, piscine termale, spa, irigatii si acvacultura.

### Presiune

- De la DN65 to DN150: PN 10
- DN200: PN 6

### Temperatura

- 0 °C + 60 °C

### Standard flanse

- ISO - DIN - BS - ANSI

### Conformitate

- Decret ministerial 174 IT

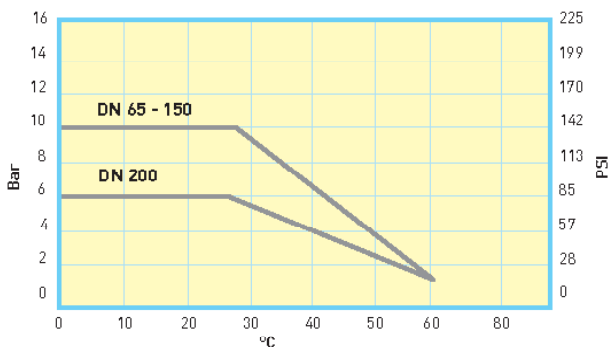
### Actuatoare

- 24/230 V electrice
- pneumatice

### Standards vana

- Conform to ISO 16136 - Pr EN 1452 - ISO 9393

## Presiune de lucru versus temperatura

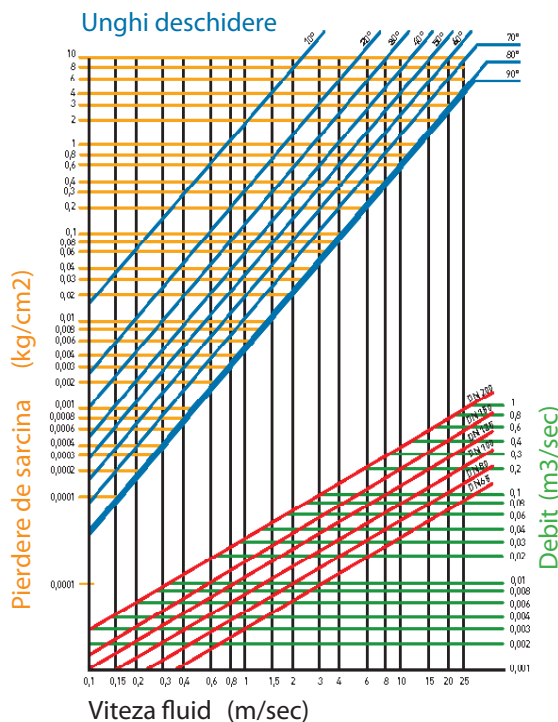


## Caracteristici functionale

DIMENSIUNI		CUPLU DE LUCRU Vana noua la PN maxim	CUPLU DE STRANGERE (cu flanse PVC-U/Metal)
DN	Inch		
65	2" 1/2	11 Nm *	15 Nm
80	3"	14 Nm *	20 Nm
100	4"	16 Nm *	23 Nm
125	5"	26 Nm *	30 Nm
150	6"	35 Nm *	30 Nm
200	8"	50 Nm *	50 Nm

\*\* Valoari de referinta: Aceste valori se pot schimba, depinzand de aplicatie si deasemenea in timp

## Pierdere de sarcina



# PVC-U Vane fluture – Instructiuni de asamblare



1. Inserati bolturile, saibele si piulitele fara a le strange in partea inferioara dintre flanse. Scoateti vana din ambalaj si verificati sa nu aiba defecte sau impuritati.



2. Inserati vana in pozitia "INCHIS" intre flanse pana cand santurile din partea inferioara a corpului central stau direct pe bolturi, avang grija sa mentineti paralelismul cu flansele.



3. Inserati bolturile ramase, saibele si piulitele din partea superioara dintre flanse. Insurubati piulitele intr-o maniera incrucisata pana la cuplul de torsiune indicat in tab. A. Se recomda folosirea unei chei dinamometrice.



4-5. Verificati :

- ca flasele sa adere perfect la corpul vanei
- se se mentina paralelismul dintre vana si flanse
- sa se mentina o pozitie axiala fata de conducta



6. folositi oprirea de siguranta daca este nevoie

Operati vana fara incarcare, verificati ca miscarile sa nu fie greoaie si ca nu exista incarcari anormale.

## INSTRUCTIUNI DEZASAMBLARE VANA FLUTURE

Inainte de a incepe asigurati-va ca:

- Toate valvele din amonte si aval de cea la care se lucreaza sunt inchise
- Sistemul a fost depresurizat
- Conducta a fost golita complet

Realizati operatiile de asamblare in ordine inversa.

**Recomandam curatarea componentelor interne ale vanei si inchiderea si deschiderea ei in mod regulat. La demontarea completa aveti grija sa plasati garniturile corect.**

TAB. A

DN VANA	CUPLU DE STRANGER*
65 – 2"1/2	15 Nm
80 – 3"	20 Nm
100 – 4"	23 Nm
125 – 5"	30 Nm
150 – 6"	30 Nm
200 – 8"	50 Nm

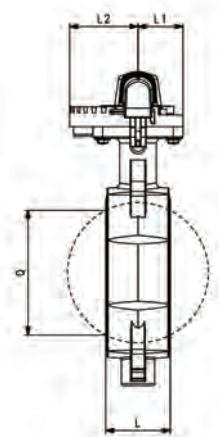
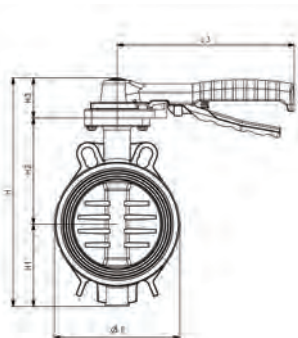
\*CU FLANSE PVCU/METAL

# PVC-U vane fluture & kituri

## Vana fluture PVC-U

### Cu garnituri EPDM/SANTOPRENE™

- La comanda:
  - ax si bucese de inox
  - ax liber + adaptor actuator



d [mm]	DN [mm]	DN [inch]	PN	Cod	SP	GP	kg
75	65	2 ½	10	VFA02D750	1	-	1.300
90	80	3	10	VFA02D900	1	-	1.294
110	100	4	10	VFA02D910	1	-	1.500
125 - 140	125	5	10	VFA02D920	1	-	2.300
160	150	6	10	VFA02D940	1	-	3.380
200 - 225	200	8	6	VFA02D960	1	-	5.400

d [mm]	E [mm]	Q [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
75	112	46	246	76	115	55	43	46	46	70	220
90	128	64	267	92	120	55	43	48	46	70	220
110	152	84	291	106	130	55	43	54	46	70	220
125 - 140	177	108	321	116	150	55	43	63	46	70	250
160	212	133	356	131	169	55	43	63	46	70	250
200 - 225	260	180	433	163	209	61	43	74	46	70	282

PF 2 02 960 010



## Kit vana fluture si adaptori flanse PVC-U

### Cu garnituri EPDM/SANTOPRENE™

d [mm]	DN [mm]	DN [inch]	PN	Cod	SP	GP	kg
75	65	2 ½	10	VFA02D75K	1	-	4.650
90	80	3	10	VFA02D90K	1	-	4.879
110	100	4	10	VFA02D91K	1	-	5.858
125	125	5	10	VFA02D92K	1	-	7.100
140	125	5	10	VFA02D93K	1	-	10.850
160	150	6	10	VFA02D94K	1	-	11.930
200	200	8	6	VFA02D96K	1	-	13.950
225	200	8	6	VFA02D97K	1	-	13.950

PF 2 02 960 010

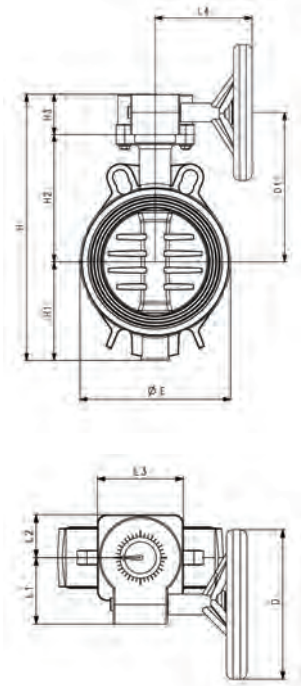




## Vana fluture cu reductor PVC-U Cu garnituri EPDM/SANTOPRENE

\* cu reductor metalic

d [mm]	DN [mm]	DN [inch]	PN	Cod	SP	GP	kg
75	65	2 ½	10	VFA11D750	1	-	1.500
90	80	3	10	VFA11D900	1	-	1.760
110	100	4	10	VFA11D910	1	-	1.916
125 - 140	125	5	10	VFA11D920	1	-	2.725
160	150	6	10	VFA11D940	1	-	3.600
* 200 - 225	200	8	6	VFA11D960	1	-	7.600



d [mm]	E [mm]	Q [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	D [mm]
75	112	46	240	76.0	115.0	49	43	46	71	46	92	113	160
90	128	64	261	92.0	120.0	49	43	48	71	46	92	113	160
110	152	84	285	106.0	130.0	49	43	54	71	46	92	113	160
125 - 140	177	108	315	116.0	150.0	49	43	63	71	46	92	113	160
160	212	133	350	131.5	169.5	49	43	69	71	46	92	113	160
* 200 - 225	260	180	421	163.0	209.0	49	43	74	71	46	92	113	160

d [mm]	D1 [mm]
75	142.00
90	147.00
110	157.00
125 - 140	177.00
160	196.50
* 200 - 225	236.00

PF 2 02 960 010



## Kit flanse si suruburi PVC-U

• (\*) La comanda

d [mm]	DN [mm]	DN [inch]	PN	Cod	SP	GP	kg
75	65	2 ½	10	XVFFLIZ75	1	-	3.350
90	80	3	10	XVFFLIZ90	1	-	3.585
110	100	4	10	XVFFLIZ91	1	-	4.358
125	125	5	10	XVFFLIZ92	1	-	4.800
140	125	5	10	XVFFLIZ93	1	-	4.800
160	150	6	10	XVFFLIZ94	1	-	7.500
* 200	200	8	6	XVFFLIZ96	1	-	8.550
* 225	200	8	6	XVFFLIZ97	1	-	8.550

PF 2 02 960 010





# Piese de schimb pentru vane fluture

## Manivela



Compatibil cu VFA

d [mm]	DN [mm]	Cod	SP	GP
75 - 160	65 - 150	3V0VFVD01	1	10

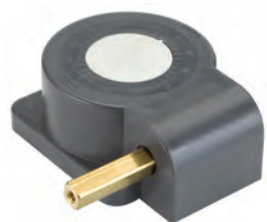
## Levier



Compatibil cu VFA02D

d-d [mm]	DN-DN [mm]	DN-DN [inch]	Cod	SP	GP
75 - 110	65 - 100	2 ½ - 4	3V0VFMD04	1	15
125 - 160	125 - 150	5 - 6	3V0VFMD05	1	15
200 - 225	200 - 200	8 - 8	3V0VFMD06	1	10

## Reductor



Compatibil cu VFA

d-d [mm]	DN-DN [mm]	DN-DN [inch]	Cod	SP	GP
75 - 110	65 - 100	2 ½ - 4	3V0VFRG01	1	20
125 - 160	125 - 150	5 - 6	3V0VFRG02	1	20

## Garnitura scaun



Compatibil cu VFA02D and VFA11

d [mm]	DN [mm]	DN [inch]	EPDM Cod	SP	GP
* 75	65	2 ½	2G0VF1OD75	-	-
* 90	80	3	2G0VF1OD90	-	-
* 110	100	4	2G0VF1OD91	-	-
125 - 140	125	5	2G0VF1OD92	-	-
* 160	150	6	2G0VF1OD94	-	-
200 - 225	200	8	2G0VF1OD96	-	-

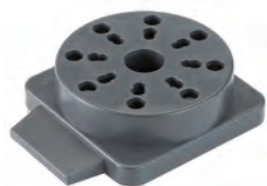
## Garnitura exterioara EPDM/SANTOPRENE™



Compatibil cu VFA02D si VFA11

d [mm]	DN [mm]	DN [inch]	Cod	SP	GP
* 75	65	2 ½	2G0VF1ED75	-	-
* 90	80	3	2G0VF1ED90	-	-
* 110	100	4	2G0VF1ED91	-	-
125 - 140	125	5	2G0VF1ED92	-	-
* 160	150	6	2G0VF1ED94	-	-
200 - 225	200	8	2G0VF1ED96	-	-

## Cuplaj actuator



Compatibil cu VFA

DN [mm]	Cod	SP	GP
65 - 150	3V0VFSG01	1	30
200	3V0VFSG02	1	30



# PVC-U Vane fluture cu actuator

Gama de vane noi VFA sunt disponibile si in versiuni cu actuator pneumatic sau electric pt DN 65 - DN 200. Proiectarea si caracteristicile functionale permit reducerea cuplurilor de operare, astfel facand posibila folosirea de actuatore compacte si eficiente din punct de vedere calitate-pret.

## VFK50

Vana fluture cu actuator electric 24V AC  
Garnituri EPDM/SANTOPRENE™

### Caracteristici actuator electric:

- Alimentare : 24/230V at 50 Hz.
- Tip deschidere : DN 65-80: 50 sec  
DN 100-125: 1 min.  
DN 150-200: 150 sec.
- Deschidere de urgenta : standard
- Contacte auxiliare : 2 standard
- Protectie : IP 65
- Standard conexiune : ISO 5211

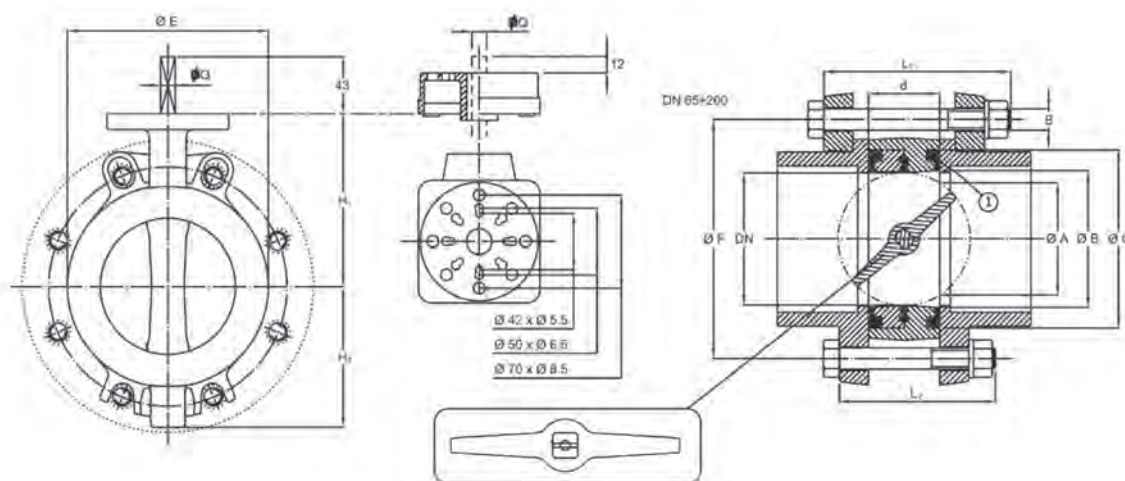
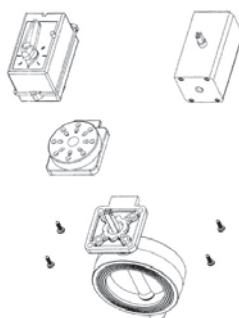
## VFK2....

Vana fluture cu actuator pneumatic  
Garnituri EPDM/SANTOPRENE™

### Caracteristici actuator pneumatic:

- Versiune : actionare simpla / dubla
- Alimentare : aer comprimat filtrat , nu neaparat lubrifiat
- Presiune de lucru : 6 bar
- Temperatura de lucru pentru actuator : de la 0°C to + 80°C ( de la - 20°C to + 80°C in aer uscat )
- Standard conexiune : ISO 5211
- Unghi de rotatie : 90°C
- Conector Namur pentru accesorii

VFK.20-21..  
VFK.50..



	ISO UNI-DIN PN 10	ISO UNI-DIN PN 16	BS4504 TAB. 16/3 TAB. 10/3	ANSI 150 lbs	JIS	DN	G	D	ØA	ØB	ØC	d	L <sub>1</sub>	L <sub>2</sub>	B	ØE	Q	H <sub>1</sub>	H <sub>2</sub>
ØF	145	145	145	140	140	65	2" ½	75	49	73	98	46	130	120	16	112	11	115	76
	160	160	160	152	-	80	3"	90	64	83	112	48	130	120	16	128	11	120	86
	180	180	181	190	-	100	4"	110	85	103	134	54	150	120	16	152	11	130	106
	210	210	210	216	210	125	5"	125/140	108	129	158	63	160	160	16	177	14	150	116
	240	240	241	241	240	150	6"	160	134	154	190	69	180	180	20	212	14	170	132
	295	295	295	298	-	200	8"	200/225	180	198	232	72	200	200	20	262	17	209	163

## PVC-U vane fluture cu actuator

### Vana fluture cu actuator electric 24V AC PVC-U Cu garnitura EPDM/SANTOPRENE™



PF 2 02 959 010

d [mm]	DN [mm]	DN [inch]	PN	Code	SP	GP	kg
75	65	2 ½	10	VFK50D750	-	-	1.750
90	80	3	10	VFK50D900	-	-	1.750
110	100	4	10	VFK50D910	-	-	1.916
125 - 140	125	5	10	VFK50D920	-	-	0.001
160	150	6	6	VFK50D940	-	-	0.001
200 - 225	200	8	6	VFK50D960	-	-	0.001

### Vana fluture cu actuator pneumatic PVC-U Cu garnitura EPDM/SANTOPRENE™



PF 2 02 959 010

d [mm]	DN [mm]	DN [inch]	PN	ACTING TYPE	Cod	SP	GP	kg
75	65	2 ½	10	DOUBLE	VFK20D750	-	-	2.600
90	80	3	10	DOUBLE	VFK20D900	-	-	2.600
110	100	4	10	DOUBLE	VFK20D910	-	-	3.016
125 - 140	125	5	10	DOUBLE	VFK20D920	-	-	0.001
160	150	6	6	DOUBLE	VFK20D940	-	-	0.001
200 - 225	200	8	6	DOUBLE	VFK20D960	-	-	6.700
75	65	2 ½	10	SINGLE	VFK21D750	-	-	2.600
90	80	3	10	SINGLE	VFK21D900	1	1	0.001
110	100	4	10	SINGLE	VFK21D910	-	-	0.001
125 - 140	125	5	10	SINGLE	VFK21D920	-	-	4.516
160	150	6	6	SINGLE	VFK21D940	-	-	0.001
200 - 225	200	8	6	SINGLE	VFK21D960	-	-	9.250



# PVC-U Fittinguri si vane standard imperial (inch)

## Rezistenta mecanica

Datele urmatoare se refera la apa sau lichide neagresive la temperatura de 20° C.

## Materiale

Granulele de PVC-U folosite de TP sunt policlorura de vinil stabilizata si neplastifiata.

Rezistentele chimice ale materialelor conform ISO/TR10358

## Tolerante de imbinare a lipirii cu solvent standard metric, in concordanta cu:

fitingurile sunt conforme cu:

**BS 4346/1**

tevilor sunt conforme cu:

**BS3505 e BS 3506**

Tabelul de mai jos indica diametrele si tolerantele fittingurilor noastre, conform prescripiilor tehnice

Serie	Dimensiuni	Clasa	PN
Lipire cu solvent (d inch)	de la 3/8" to 3"	E	15
Tranzitii ISO-BS	de la 3/8" to 6"	E	15
Filetate (R)	de la 3/8" to 2"	E	15
		D	12

Note: 1) Class D; 2) Class C

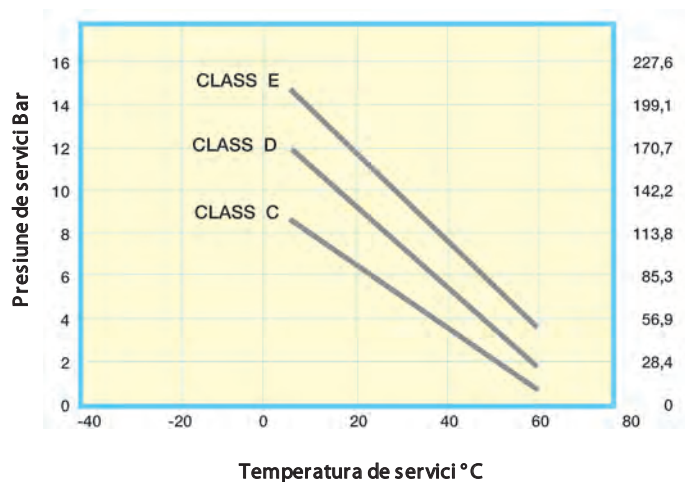
## Factori de siguranta la 20° C

Clasa	NP presiune nominala	1 ora	50 ani
E	15 Bar	3,6	2,1
D	12 Bar	4,5	2,6
C	9 Bar	6,0	3,5

## Dimensiuni in mm

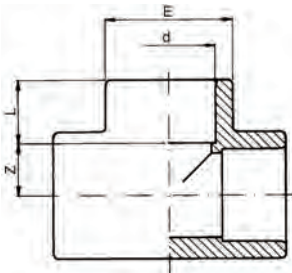
D	Diam. exterior fittinguri tata		Diam. interior fittinguri mama	
	Min	Max	Min	Max
3/8"	17,00	17,20	17,10	17,30
1/2"	21,20	21,40	21,30	21,50
3/4"	26,60	26,80	26,70	26,90
1"	33,40	33,60	33,50	33,70
1 1/4"	42,10	42,30	42,20	42,40
1 1/2"	48,10	48,30	48,20	48,40
2"	60,20	60,40	60,30	60,50
2 1/2"	75,10	75,40	75,10	75,30
3"	88,70	89,00	88,80	89,10
4"	114,10	114,40	114,20	114,50
5"	140,00	140,40	140,10	140,40
6"	168,00	168,40	168,20	168,50
8"	218,80	219,30	219,00	219,40

## RELATIE PRESIUNE-TEMPERATURA



# PVC-U Fitinguri pentru lipire cu solvent Standard imperial Inch

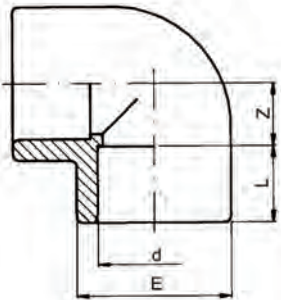
## Teu 90° PVC-U Inch BS



PF 2 01 952 010

d [inch]	d [mm]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	E [mm]
3/8		16	RV0TIL160	10	280	0.012	14	9	23
1/2		16	RV0TIL200	10	150	0.023	16	11	27
3/4		16	RV0TIL250	10	100	0.030	19	14	33
1		16	RV0TIL320	10	130	0.065	22	17	41
1 1/4		16	RV0TIL400	90	-	0.127	27	21	52
1 1/2		16	RV0TIL500	50	-	0.208	32	26	61
2		16	RV0TIL630	25	-	0.315	37	33	75
2 1/2	75	16	RV0TII750	35	-	0.523	44	39	89
3		16	RV0TIL900	24	-	0.820	52	45	107
4		16	RV0TIL910	10	-	1.330	63	62	133
5	140	16	RV0TII930	6	-	2.650	76	72	163
6		16	RV0TIL940	4	-	4.300	93	86	198
8		16	RV0TIL970	15	-	11.300	116	116	258

## Cot 90° PVC-U Inch BS



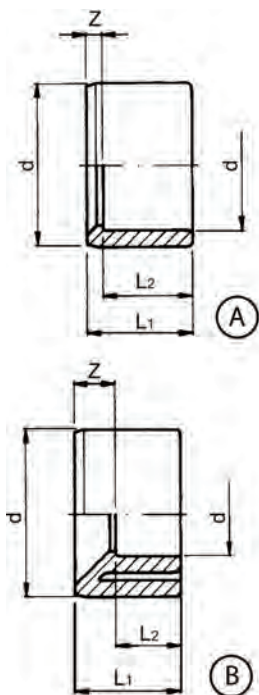
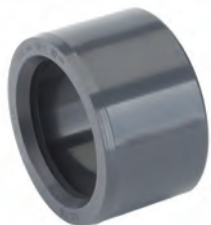
PF 2 01 952 010

d [inch]	d [mm]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	E [mm]
3/8		16	RV0GOL160	10	360	0.013	14.5	9	23
1/2		16	RV0GOL200	10	200	0.018	17.0	11	27
3/4		16	RV0GOL250	10	160	0.029	20.0	14	33
1		16	RV0GOL320	10	80	0.049	23.0	17	41
1 1/4		16	RV0GOL400	130	-	0.090	27.0	22	51
1 1/2		16	RV0GOL500	80	-	0.140	32.0	26	61
2		16	RV0GOL630	40	-	0.222	37.0	34	75
2 1/2	75	16	RV0GOI750	50	-	0.386	44.0	39	89
3		16	RV0GOL900	30	-	0.600	52.0	45	107
4		16	RV0GOL910	15	-	1.060	63.0	58	133
5	140	16	RV0GOI930	8	-	2.050	76.0	72	163
6		16	RV0GOL940	5	-	3.335	93.0	85	198
8		16	RV0GOL970	18	-	6.600	113.0	116	258





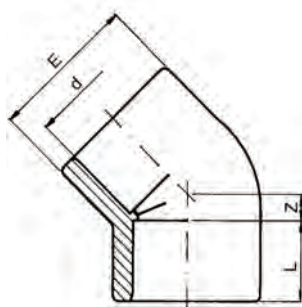
## Reductie scurta PVC-U Inch BS



PF 2 01 952 010

d [inch]	d [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z [mm]
1/2	3/8	16	RV0RCL20A	10	800	0.003	16.5	14.5	2.0
A 3/4	1/2	16	RV0RCL25B	10	600	0.006	19.5	16.5	3.0
B 1	1/2	16	RV0RCL32B	10	400	0.016	22.5	16.5	6.0
A 1	3/4	16	RV0RCL32C	10	400	0.010	22.5	19.5	3.0
A 1 1/4	1	16	RV0RCL40D	250	-	0.016	27.0	22.5	4.5
B 1 1/2	1	16	RV0RCL50D	180	-	0.035	30.0	22.5	7.5
A 1 1/2	1 1/4	16	RV0RCL50E	180	-	0.020	30.0	27.0	3.0
B 2	1	16	RV0RCL63D	100	-	0.067	36.0	22.5	13.5
A 2	1 1/2	16	RV0RCL63F	100	-	0.055	36.0	30.0	6.0
B 2 1/2	1 1/2	16	RV0RCL75F	130	-	0.122	44.0	30.0	14.0
A 2 1/2	2	16	RV0RCL75G	130	-	0.080	44.0	36.0	8.0
B 3	1 1/2	16	RV0RCL90F	80	-	0.200	50.5	30.0	20.5
B 3	2	16	RV0RCL90G	80	-	0.195	50.5	36.0	14.5
A 3	2 1/2	16	RV0RCL90H	80	-	0.140	50.5	44.0	6.5
B 4	2	16	RV0RCL91G	45	-	0.450	36.0	36.0	27.0
B 4	2 1/2	16	RV0RCL91H	45	-	0.370	63.0	44.0	19.0
A 4	3	16	RV0RCL91I	45	-	0.273	36.0	50.5	12.5
B 5	3	16	RV0RCL93I	48	-	0.550	76.0	50.5	25.5
B 6	4	16	RV0RCL94L	24	-	1.120	90.0	63.0	27.0
B 8	6	16	RV0RCL97O	9	-	1.860	115.5	90.0	25.5

## Cot 45° PVC-U Inch BS

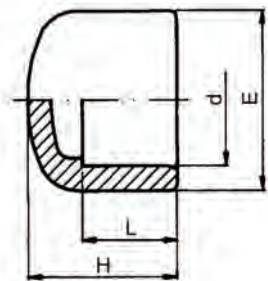


PF 2 01 952 010

d [inch]	PN	d [mm]	Cod	SP	GP	kg	L [mm]	Z [mm]	E [mm]
3/8	16		RV0GYL160	10	400	0.009	14.5	2.5	23
1/2	16		RV0GYL200	10	260	0.017	16.0	5.0	27
3/4	16		RV0GYL250	10	150	0.029	19.0	6.0	33
1	16		RV0GYL320	10	100	0.047	22.0	8.0	41
1 1/4	16		RV0GYL400	80	-	0.065	27.0	10.0	52
1 1/2	16		RV0GYL500	100	-	0.113	32.0	12.0	61
2	16		RV0GYL630	50	-	0.190	39.0	15.0	75
2 1/2	16	75	RV0GYI750	65	-	0.310	44.0	17.0	89
3	16		RV0GYL900	40	-	0.515	52.0	21.0	107
4	16		RV0GYL910	20	-	0.836	63.0	25.0	133
5	16	140	RV0GYI930	8	-	1.600	76.0	31.0	163
8	16		RV0GYL970	24	-	4.900	115.5	46.0	249



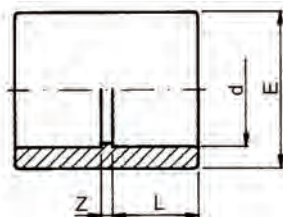
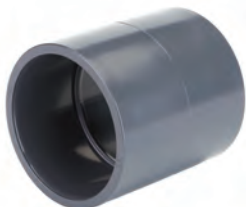
## Capac PVC-U Inch BS



d [inch]	d [mm]	PN	Cod	SP	GP	kg	L [mm]	H [mm]	E [mm]
3/8		16	RV0CAL160	10	600	0.007	14.5	22	23
1/2		16	RV0CAL200	10	500	0.011	16.5	26	28
3/4		16	RV0CAL250	10	400	0.018	19.5	30	34
1		16	RV0CAL320	10	200	0.027	22.5	33	42
1 1/4		16	RV0CAL400	160	-	0.044	27.0	41	51
1 1/2		16	RV0CAL500	80	-	0.075	30.0	46	61
2		16	RV0CAL630	50	-	0.133	36.0	55	75
2 1/2	75	16	RV0CAI750	25	-	0.187	44.0	64	89
3		16	RV0CAL900	50	-	0.325	50.5	73	106
4		16	RV0CAL910	25	-	0.520	63.0	87	129
5	140	16	RV0CAI930	30	-	0.915	76.0	108	162
6		16	RV0CAL940	18	-	1.120	90.0	123	192

PF 2 01 952 010

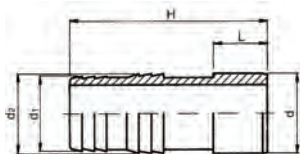
## Mufa PVC-U Inch BS



d [inch]	d [mm]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	E [mm]
3/8		16	RV0MAL160	10	500	0.009	14.5	3	23
1/2		16	RV0MAL200	10	300	0.015	16.0	3	27
3/4		16	RV0MAL250	10	200	0.021	19.0	3	33
1		16	RV0MAL320	10	130	0.034	22.0	3	41
1 1/4		16	RV0MAL400	100	-	0.057	27.0	3	52
1 1/2		16	RV0MAL500	60	-	0.099	32.0	3	61
2		16	RV0MAL630	70	-	0.175	37.0	3	75
2 1/2	75	16	RV0MAI750	48	-	0.226	44.0	4	89
3		16	RV0MAL900	60	-	0.385	52.0	5	107
4		16	RV0MAL910	32	-	0.605	7.0	6	133
5	140	16	RV0MAI930	14	-	1.100	76.0	8	162
6		16	RV0MAL940	9	-	1.540	90.0	8	198
8		16	RV0MAL970	2	-	3.550	120.0	10	253

PF 2 01 952 010

## Racord furun PVC-U Inch BS

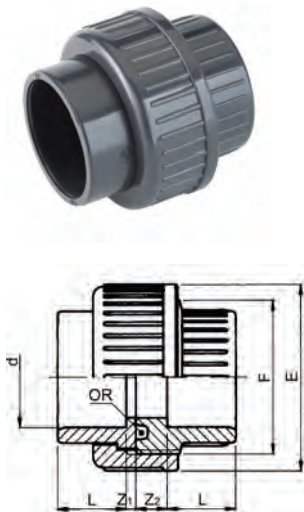


d [inch]	PN	Cod	SP	GP	kg	L [mm]	H [mm]	d1 [mm]	d2 [mm]
3/8	16	RV0PGL160	10	400	0.010	14.5	60	16	18
1/2	16	RV0PGL200	10	300	0.014	16.5	67	20	22
3/4	16	RV0PGL250	10	200	0.020	19.5	74	25	27
1	16	RV0PGL320	10	130	0.030	22.5	80	30	32
1 1/4	16	RV0PGL400	180	-	0.055	27.0	92	40	42
1 1/2	16	RV0PGL500	130	-	0.078	30.0	101	50	52
2	16	RV0PGL630	150	-	0.142	36.0	111	60	64

PF 2 01 952 010



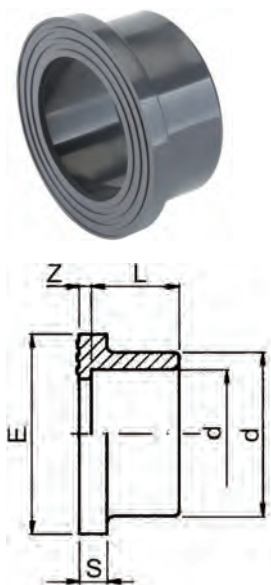
## Olandez cu o-ring PVC-U Inch BS



d [inch]	d [mm]	PN	Cod	SP	GP	kg	L [mm]	Z1 [mm]	Z2 [mm]	F [inch]	E [mm]
3/8		16	RV0BOL160	10	250	0.025	14.5	3	10	3/4	34
1/2		16	RV0BOL200	10	150	0.040	16.0	3	10	1	42
3/4		16	RV0BOL250	10	100	0.066	19.0	3	10	1 1/4	52
1		16	RV0BOL320	10	60	0.088	22.0	3	10	1 1/2	59
1 1/4		16	RV0BOL400	90	-	0.152	27.0	3	12	2	73
1 1/2		16	RV0BOL500	60	-	0.215	32.0	3	14	2 1/4	82
2		16	RV0BOL630	36	-	0.350	39.0	3	18	2 3/4	100
2 1/2	75	16	RV0BOI750	10	-	0.575	44.0	3	18	3 1/2	119
3		16	RV0BOL900	15	-	0.790	52.0	5	18	4	134
4		16	RV0BOL910	18	-	1.285	61.0	5	18	5	163

PF 2 01 952 010

## Adaptor flansa zimtat PVC-U Inch BS

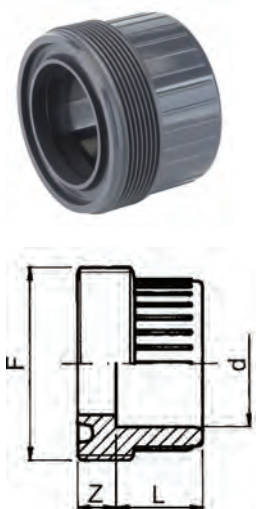


d [inch]	d [mm]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	d [mm]	S [mm]	E [mm]
1/2		16	RV0QRL200	10	400	0.010	16.5	2.5	27	6	34
3/4		16	RV0QRL250	10	300	0.016	19.5	2.5	33	7	41
1		16	RV0QRL320	10	200	0.025	22.5	2.5	41	7	50
1 1/4		16	RV0QRL400	150	-	0.040	27.0	2.5	50	8	61
1 1/2		16	RV0QRL500	140	-	0.060	30.0	2.0	61	8	73
2		16	RV0QRL630	90	-	0.105	36.0	4.0	76	9	90
2 1/2	75	16	RV0QRI750	50	-	0.170	44.0	3.0	90	10	106
3		16	RV0QRL900	85	-	0.277	50.5	3.0	108	11	125
4		16	RV0QRL910	24	-	0.380	63.0	5.5	131	12	150
5	140	16	RV0QRI930	20	-	0.750	76.0	5.0	165	14	188
6		16	RV0QRL940	15	-	0.895	90.0	5.0	188	16	213
8		16	RV0QRL970	6	-	1.700	115.5	6.0	248	19	274

PF 2 01 952 010

## Mufa pentru olandez PVC-U Inch BS

Compatibil cu BOL



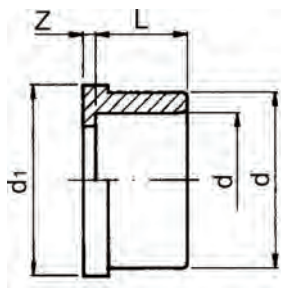
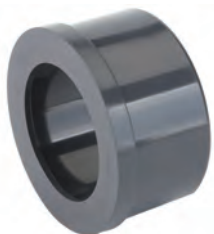
d [inch]	d [mm]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	F [inch]
3/8		16	RV0BFL160	600	-	0.010	14.5	9.5	3/4
1/2		16	RV0BFL200	300	-	0.015	16.5	9.5	1
3/4		16	RV0BFL250	180	-	0.025	19.5	9.5	1 1/4
1		16	RV0BFL320	500	-	0.034	22.5	9.5	1 1/2
1 1/4		16	RV0BFL400	75	-	0.057	27.0	11.0	2
1 1/2		16	RV0BFL500	50	-	0.078	30.0	15.0	2 1/4
2		16	RV0BFL630	25	-	0.134	36.0	20.0	2 3/4
2 1/2	75	16	RV0BFI750	125	-	0.205	44.0	18.0	3 1/2
3		16	RV0BFL900	80	-	0.270	50.5	18.5	4
4		16	RV0BFL910	48	-	0.465	63.0	16.0	5

PF 2 01 952 010



## Capat pentru olandez PVC-U Inch BS

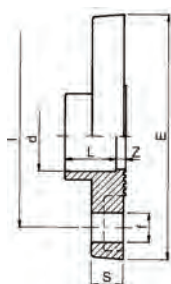
Compatibil cu BOL/BOR



PF 2 01 952 010

d [inch]	d [mm]	PN	Cod	SP	GP	kg	L [mm]	Z [mm]	d [mm]	d1 [mm]
3/8		16	<b>RV0BLL160</b>	1000	-	0.006	14.5	2.5	22.0	24.0
1/2		16	<b>RV0BLL200</b>	500	-	0.009	16.5	2.5	27.5	30.1
3/4		16	<b>RV0BLL250</b>	300	-	0.016	19.5	2.5	36.0	38.8
1		16	<b>RV0BLL320</b>	650	-	0.022	22.5	2.5	41.5	44.7
1 1/4		16	<b>RV0BLL400</b>	120	-	0.040	27.0	2.0	53.0	56.5
1 1/2		16	<b>RV0BLL500</b>	85	-	0.043	30.0	4.0	59.0	62.6
2		16	<b>RV0BLL630</b>	130	-	0.080	36.0	5.0	74.0	78.4
2 1/2	75	16	<b>RV0BLL750</b>	165	-	0.150	44.0	3.0	92.5	97.2
3		16	<b>RV0BLL900</b>	100	-	0.195	50.5	5.5	105.0	110.0
4		16	<b>RV0BLL910</b>	66	-	0.350	63.0	3.0	129.0	135.4

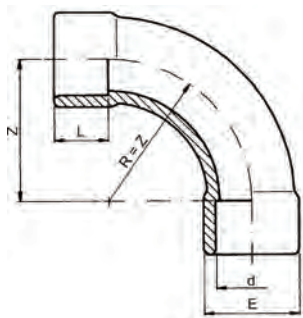
## Capat flansa PVC-U Inch BS



PF 2 01 952 010

d [inch]	d [mm]	PN-PN [bar]	Cod	SP	GP	kg	L [mm]	Z [mm]	E [mm]	I [mm]	f [mm]
1/2		10 - 16	<b>RV0FFL200</b>	100	-	0.070	16.5	4.0	95	65	14
3/4		10 - 16	<b>RV0FFL250</b>	70	-	0.105	19.5	4.0	105	75	14
1		10 - 16	<b>RV0FFL320</b>	120	-	0.145	22.5	4.0	115	85	14
1 1/4		10 - 16	<b>RV0FFL400</b>	60	-	0.220	27.0	3.5	140	100	18
1 1/2		10 - 16	<b>RV0FFL500</b>	50	-	0.270	30.0	5.5	150	10	18
2		10 - 16	<b>RV0FFL630</b>	40	-	0.390	36.0	6.5	165	125	18
2 1/2	75		<b>RV0FFI750</b>	20	-	0.505	44.0	6.0	185	145	18
3		10 - 16	<b>RV0FFL900</b>	15	-	0.700	50.5	7.5	200	160	18
4		10 - 16	<b>RV0FFL910</b>	10	-	0.870	63.0	6.0	220	180	18
5	140		<b>RV0FFI930</b>	6	-	1.335	76.0	7.0	250	210	18
6		10 - 16	<b>RV0FFL940</b>	5	-	1.853	86.0	7.0	285	240	22

## Curba 90° PVC-U Inch BS



PF 2 01 950 013

d [inch]	PN	d [mm]	Cod	SP	GP	kg	L [mm]	Z [mm]	E [mm]
1/2	16		<b>RV0CUL200</b>	160	-	0.041	16	40	30
3/4	16		<b>RV0CUL250</b>	100	-	0.070	19	50	36
1	16		<b>RV0CUL320</b>	50	-	0.116	22	64	44
1 1/4	16		<b>RV0CUL400</b>	60	-	0.200	27	80	54
1 1/2	16		<b>RV0CUL500</b>	60	-	0.333	32	100	63
2	16		<b>RV0CUL630</b>	30	-	0.584	39	126	78
2 1/2	16	75	<b>RV0CUI750</b>	20	-	1.015	44	150	94
3	16		<b>RV0CUL900</b>	12	-	1.787	51	180	113
4	16		<b>RV0CUL910</b>	6	-	2.739	61	220	136

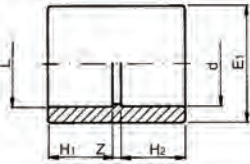
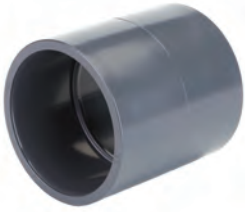


# PVC-U fittinguri tranzitie

## Lipire cu solvent

### Standar imperial Inch/Standard metric ISO

#### Mufa Inch BS/metric



PF 2 01 952 010

d [Inch]	d [mm]	PN	Cod	SP	GP	kg	H1 [mm]	H2 [mm]	Z [mm]	E1 [mm]	E2 [mm]	
3/8	16	16	RVOMAT16A	10	500	0.006	14.5	14.0	2.5	22.0		
1/2	20	16	RVOMAT20B	10	300	0.010	16.5	16.0	2.5	26.0		
3/4	25	16	RVOMAT25C	10	200	0.022	19.5	19.0	2.5	32.0		
1	32	16	RVOMAT32D	10	130	0.036	22.5	22.0	2.5	40.0		
1 1/4	40	16	RVOMAT40E	100	-	0.054	27.0	26.0	2.0	51.0		
1 1/2	50	16	RVOMAT50F	60	-	0.093	30.0	31.0	4.0	61.0		
2	63	16	RVOMAT63G	70	-	0.160	36.0	38.0	6.0	75.0		
2 1/2	75	16	RVOMAT75O	48	-	0.226						
3	90	16	RVOMAT90I	60	-	0.353	50.5	51.0	5.5	106.0		
4	110	16	RVOMAT91L	32	-	0.565	63.0	61.0	4.0	129.0		
5	140	16	RVOMAT93O	14	-	1.100						
6	160	16	RVOMAT94O	9	-	1.540	90.0	86.0	8.0	190.0	180.0	

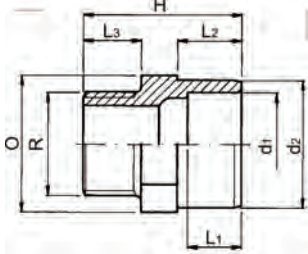




# PVC-U fittinguri tranzitie

## Standard imperial Inch lipire/filet

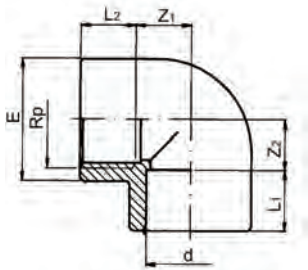
### Adaptor 3 diametre lipire/F.E. PVC-U Inch BS



PF 2 01 952 010

d [inch]	d [inch]	FE [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	L3 [mm]	H [mm]	O [mm]
3/8	1/2	3/8	16	RVOAMR16A	10	500	0.010	14.5	16	11.4	40	24
3/8	1/2	1/2	16	RVOAMR16B	10	440	0.011	14.5	16	15.0	43	24
1/2	3/4	1/2	16	RVOAMR20B	10	280	0.014	16.5	19	15.0	46	30
1/2	3/4	3/4	16	RVOAMR20C	10	280	0.019	16.5	19	16.3	47	30
3/4	1	3/4	16	RVOAMR25C	10	180	0.027	19.5	22	16.3	50	36
3/4	1	1	16	RVOAMR25D	10	160	0.029	19.5	22	19.1	53	36
1	1 1/4	1	16	RVOAMR32D	10	120	0.042	22.5	26	19.1	57	46
1	1 1/4	1 1/4	16	RVOAMR32E	10	100	0.045	22.5	26	21.4	60	46
1 1/4	1 1/2	1 1/4	16	RVOAMR40E	85	-	0.073	27.0	31	21.4	67	55
1 1/4	1 1/2	1 1/2	16	RVOAMR40F	80	-	0.076	27.0	31	21.4	67	55
1 1/2	2	1 1/2	16	RVOAMR50F	100	-	0.110	30.0	38	21.4	74	65
1 1/2	2	2	16	RVOAMR50G	100	-	0.120	30.0	38	25.7	78	65
2	2 1/2	2	16	RVOAMR63G	70	-	0.172	36.0	44	25.7	84	80
2	2 1/2	2 1/2	16	RVOAMR63H	50	-	0.170	36.0	44	30.2	91	80
2 1/2	3	2 1/2	16	RVOAMR75H	54	-	0.268	44.0	51	30.2	99	95
2 1/2	3	3	16	RVOAMR75I	36	-	0.280	44.0	51	33.3	102	95
3	4	3	16	RVOAMR90I	25	-	0.555	50.5	61	33.3	113	115
3	4	4	16	RVOAMR90L	16	-	0.485	50.5	61	39.3	118	115

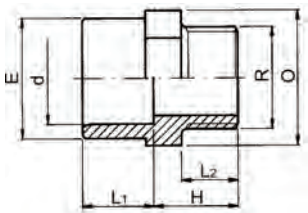
### Cot lipire/F.I. 90° PVC-U Inch BS



PF 2 01 952 010

d [inch]	Rp [inch]	d [mm]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z1 [mm]	Z2 [mm]	E [mm]
3/8	3/8		16	RVOGOR16A	10	360	0.013	14.5	11.4	8.5	11.6	23
1/2	1/2		16	RVOGOR20B	10	200	0.021	16.5	15.0	10.5	12.0	28
3/4	3/4		16	RVOGOR25C	10	160	0.035	19.5	16.3	13.5	16.7	34
1	1		16	RVOGOR32D	10	80	0.052	22.5	22.5	16.5	19.9	42
1 1/4	1 1/4		16	RVOGOR40E	130	-	0.091	27.0	21.4	20.0	25.6	51
1 1/2	1 1/2		16	RVOGOR50F	80	-	0.155	30.0	21.4	27.0	35.6	61
2	2		16	RVOGOR63G	40	-	0.265	36.0	25.7	35.0	45.3	75
2 1/2	2 1/2	75	16	RVOGOR75H	50	-	0.420		30.2	39.0	52.8	89
3	3		16	RVOGOR90I	30	-	0.670	50.5	33.3	47.5	64.7	106
4	4		16	RVOGOR91L	15	-	1.055	63.0	39.3	55.0	78.7	129

### Adaptor 2 diametre lipire/F.E. PVC-U Inch BS

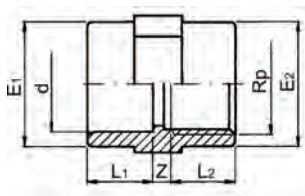


PF 2 01 952 010

d [inch]	FE [inch]	d [mm]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	E [mm]	Z [mm]	O [mm]
2 1/2	2 1/2	75	16	RVOADP75H	72	-	0.210		30.2	89		90
3	3		16	RVOADR90I	40	-	0.330	50.5	33.3	106	46.5	110
4	4		16	RVOADR91L	35	-	0.460	63.0	39.3	129	49.0	130



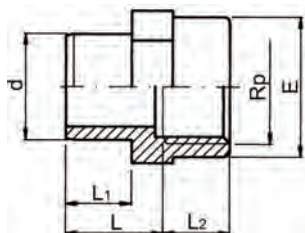
## Mufa lipire/F.I. PVC-U Inch BS



PF 2 01 952 010

d [inch]	FI [inch]	d [mm]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z1 [mm]	E1 [mm]	E2 [mm]
3/8	3/8		16	RVOMAR16A	10	500	0.009	14.5	11.4	5.5	23.0	23.0
1/2	1/2		16	RVOMAR20B	10	250	0.017	16.5	15.0	3.5	28.0	28.0
3/4	3/4		16	RVOMAR25C	10	200	0.023	19.5	16.3	5.5	34.0	34.0
1	1		16	RVOMAR32D	10	130	0.042	22.5	19.1	5.5	42.0	42.0
1 1/4	1 1/4		16	RVOMAR40E	100	-	0.060	27.0	21.4	7.0	51.0	51.0
1 1/2	1 1/2		16	RVOMAR50F	60	-	0.087	30.0	21.4	9.0	61.0	58.0
2	2		16	RVOMAR63G	80	-	0.134	36.0	25.7	10.0	75.0	72.0
2 1/2	2 1/2	75	16	RVOMAP75H	110	-	0.215	44.0	30.2	8.0	89.0	89.0
3	3		16	RVOMAR90I	64	-	0.351	50.5	33.3	9.5	106.0	103.0
4	4		16	RVOMAR91L	35	-	0.478	63.0	39.3	8.0	129.0	130.0

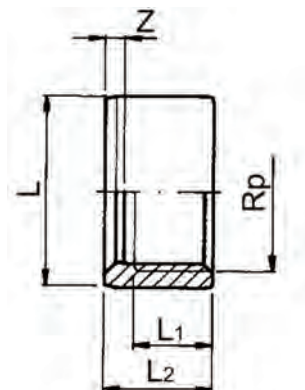
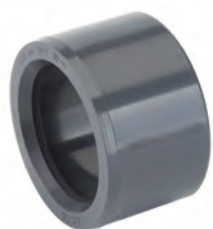
## Adaptor lipire/F.I. PVC-U Inch BS



PF 2 01 952 010

d [inch]	FI [inch]	d [mm]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	E [mm]	L [mm]
3/8	3/8		16	RV0AFR16A	10	600	0.016	14	11.4	23	22
1/2	1/2		16	RV0AFR20B	10	300	0.019	16	15.0	28	24
3/4	3/4		16	RV0AFR25C	10	180	0.027	19	16.3	32	27
1	1		16	RV0AFR32D	10	80	0.043	22	19.1	42	30
1 1/4	1 1/4		16	RV0AFR40E	90	-	0.065	26	21.4	51	36
1 1/2	1 1/2		16	RV0AFR50F	150	-	0.073	31	21.4	58	41
2	2		16	RV0AFR63G	168	-	0.135	38	25.7	72	48
2 1/2	2 1/2	75	16	RV0AFP75H	90	-	0.225	44	30.2	89	58
3	3		16	RV0AFR90I	60	-	0.310	51	33.3	103	65
4	4		16	RV0AFR91L	32	-	0.480	61	39.3	130	76

## Reductie scurta lipire/F.I. PVC-U Inch BS

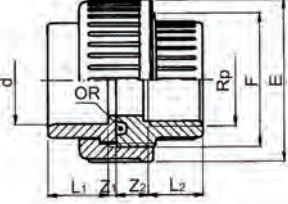


PF 2 01 952 010

d [inch]	FI [inch]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z [mm]
1/2	3/8	16	RV0RCR20A	10	800	0.004	11.4	16.5	5.1
3/4	1/2	16	RV0RCR25B	10	600	0.007	15.0	19.5	4.5
1	3/4	16	RV0RCR32C	10	400	0.012	16.3	22.5	6.2



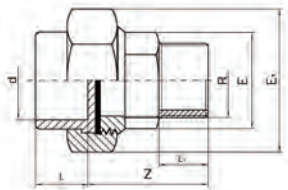
## Olandez lipire/F.I. cu o-ring PVC-U Inch BS



PF 2 01 952 010

d [inch]	FI [inch]	d [mm]	PN	Cod	SP	GP	kg	L1 [mm]	L2 [mm]	Z1 [mm]	Z2 [mm]	F [inch]	E [mm]
3/8	3/8		16	RV0BOR16A	10	250	0.031	14.5	11.4	2.5	13.6	3/4	34
1/2	1/2		16	RV0BOR20B	10	150	0.042	16.5	15.0	2.5	11.0	1	42
3/4	3/4		16	RV0BOR25C	10	100	0.070	19.5	16.3	2.5	12.7	1 1/4	52
1	1		16	RV0BOR32D	10	60	0.091	22.5	19.1	2.5	12.9	1 1/2	59
1 1/4	1 1/4		16	RV0BOR40E	90	-	0.155	27.0	21.4	2.0	16.6	2	72
1 1/2	1 1/2		16	RV0BOR50F	60	-	0.237	30.0	21.4	4.0	23.6	2 1/4	79
2	2		16	RV0BOR63G	36	-	0.405	36.0	25.7	5.0	30.3	2 3/4	96
2 1/2	2 1/2	75	16	RV0BOP75H	20	-	0.625	30.2	30.2	3.0	31.8	3 1/2	119
3	3		16	RV0BOR90I	15	-	0.865	50.5	33.3	5.5	35.7	4	134
4	4		16	RV0BOR91L	18	-	1.340	63.0	39.3	3.0	39.7	5	163

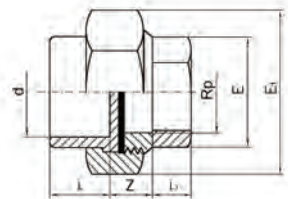
## Olandez PVC-U/alama F.E. Inch BS



PF 2 01 950 013

d [inch]	FE [inch]	PN	Cod	SP	GP	kg	E [mm]	E1 [mm]	L [mm]	Z [mm]	L1 [mm]
1/2	1/2	16	RV0BMC200	96	-	0.165	25	38.0	16	41	12
3/4	3/4	16	RV0BMC250	50	-	0.245	32	47.0	19	45	15
1	1	16	RV0BMC320	40	-	0.325	38	55.0	22	47	19
1 1/4	1 1/4	16	RV0BMC400	26	-	0.460	47	65.0	26	55	21
1 1/2	1 1/2	16	RV0BMC500	24	-	0.610	54	72.0	31	57	21
2	2	16	RV0BMC630	15	-	0.980	66	88.0	38	68	25

## Olandez PVC-U/alama F.I. Inch BS



PF 2 01 950 013

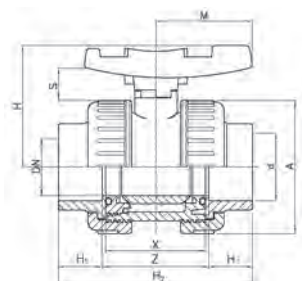
d [inch]	FI [inch]	PN	Cod	SP	GP	kg	E [mm]	E1 [mm]	L [mm]	Z [mm]	L1 [mm]
1/2	1/2	16	RV0BFC200	70	-	0.145	25	38.0	16	11	15
3/4	3/4	16	RV0BFC250	50	-	0.215	32	47.0	19	14	15
1	1	16	RV0BFC320	40	-	0.280	38	55.0	22	12	16
1 1/4	1 1/4	16	RV0BFC400	25	-	0.380	47	65.0	26	13	19
1 1/2	1 1/2	16	RV0BFC500	25	-	0.485	54	72.0	31	13	21
2	2	16	RV0BFC630	15	-	1.200	66	88.0	38	14	25



# PVC-U robineti standard imperial Inch

## Robinet cu bila cu safeblock PVC-U

### Dublu olandez pentru lipire cu solvent Inch BS



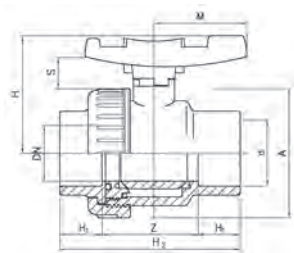
d [inch]	d [mm]	PN	EPDM Cod	SP	GP	kg
3/8		16	VSA22L160	150	-	0.130
1/2		16	VSA22L200	150	-	0.130
3/4		16	VSA22L250	100	-	0.205
1		16	VSA22L320	60	-	0.290
1 1/4		16	VSA22L400	36	-	0.435
1 1/2		16	VSA22L500	24	-	0.670
2		10	VSA22L630	13	-	1.125
2 1/2	75	10	VSA22I750	8	-	2.090
3		10	VSA22L900	4	-	3.310
4		10	VSA22L910	2	-	5.925

d [inch]	A [mm]	H [mm]	M [mm]	S [mm]	X [mm]	H1 [mm]	Z [mm]	H2 [mm]
3/8	50	53	40	19	42	14	48	76
1/2	50	43	40	19	42	16	48	80
3/4	59	60	45	19	48	19	53	91
1	68	67	51	21	54	22	58	102
1 1/4	80	79	59	25	62	26	68	120
1 1/2	94	90	70	27	72	31	78	140
2	115	107	84	29	86	38	93	169
2 1/2	145	129	103	32	110		118	
3	168	143	120	36	128	51	140	242
4	210	169	141	43	150	61	160	282

PF 2 02 956 011

## Robinet cu bila PVC-U

### Semiolandez pentru lipire cu solvent Inch BS

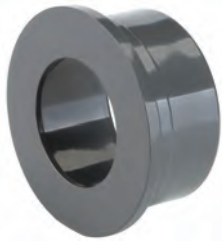


d [inch]	d [mm]	PN	EPDM Cod	SP	GP	kg
3/8		16	VSA18L160	180	-	0.100
1/2		16	VSA18L200	180	-	0.100
3/4		16	VSA18L250	120	-	0.160
1		16	VSA18L320	75	-	0.230
1 1/4		16	VSA18L400	45	-	0.340
1 1/2		16	VSA18L500	28	-	0.535
2		10	VSA18L630	16	-	0.890
2 1/2	75	10	VSA18I750	8	-	1.640
3		10	VSA18L900	5	-	2.450
4		10	VSA18L910	2	-	4.100

d [inch]	A [mm]	H [mm]	M [mm]	S [mm]	X [mm]	H1 [mm]	Z [mm]	H2 [mm]
3/8	50	53	40	19	42	14	48	76
1/2	50	53	40	19	42	16	48	80
3/4	59	60	45	19	48	9	53	91
1	68	67	51	21	54	22	58	102
1 1/4	80	79	59	25	62	26	68	120
1 1/2	94	90	70	27	72	31	78	140
2	115	107	84	29	86	38	93	169
2 1/2	145	129	103	32			118	
3	168	143	120	36	128	51	140	242
4	210	169	141	13	150	61	160	282

PF 2 02 956 011





## Capat olandez lipire Inch BS

Compatibil cu VSA

d [inch]	d [mm]	PN	Cod	SP	GP
3/8	75	16	3VCLV1L16	-	-
1/2		16	3VCLV1L20	-	-
3/4		16	3VCLV1L25	-	-
1		16	3VCLV1L32	-	-
1 1/4		16	3VCLV1L40	-	-
1 1/2		16	3VCLV1L50	-	-
2		16	3VCLV1L63	-	-
2 1/2		10	3VCLV1I75	-	-
3		10	3VCLV1L90	-	-
4		10	3VCLV1L91	-	-

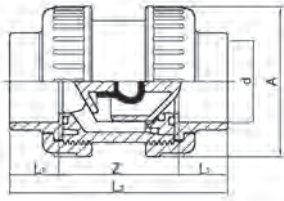


## Clapet de sens PVC-U

### Cu olandezi pentru lipire cu solvent Inch BS

• (\*)Body and dimensions = 3"

d [inch]	d [mm]	PN	EPDM Cod	SP	GP	kg	A [mm]	X [mm]	H1 [mm]	Z [mm]	H2 [mm]
3/8	75	16	VRO21L160	32	-	0.110	50	42	14	48	76
1/2		16	VRO21L200	32	-	0.110	50	42	16	48	80
3/4		16	VRO21L250	32	-	0.175	59	48	19	53	91
1		16	VRO21L320	20	-	0.245	68	54	22	58	102
1 1/4		16	VRO21L400	15	-	0.375	80	62	26	68	120
1 1/2		16	VRO21L500	6	-	0.580	94	72	31	78	140
2		10	VRO21L630	4	-	1.000	115	86	38	93	169
* 2 1/2		10	VRO21I750	2	-	2.950	168	110		118	
3		10	VRO21L900	2	-	3.100	168	128	51	140	242



PF 2 02 961 010





# Index Coduri

Cod	Pagina
1ORD03062	36
1ORD04081	36
1ORD04112	36
1ORD06162	36
1ORD06187	36
1ORD06237	36
1ORD06312	36
1ORD06362	36
1ORD06450	36
2AST02400	49
2AST02500	49
2AST02630	49
2AST04200	49
2AST04250	49
2AST04320	49
2G0VF1ED75	66
2G0VF1ED90	66
2G0VF1ED91	66
2G0VF1ED92	66
2G0VF1ED94	66
2G0VF1ED96	66
2G0VF1OD75	66
2G0VF1OD90	66
2G0VF1OD91	66
2G0VF1OD92	66
2G0VF1OD94	66
2G0VF1OD96	66
2GRNPD160	17
2GRNPD200	17
2GRNPD250	17
2GRNPD320	17
2GRNPD400	17
2GRNPD500	17
2GRNPD630	17
2GRNPD750	17
2GRNPD900	17
2GRNPD910	17
2GRNPD920	17
2GRNPD930	17
2GRNPD940	17
2GRNPD960	17
2GRNPD970	17
2MLL01D20	60
2MLL01D25	60
2MLL01D32	60
2MLL01D40	60
2MLL01D50	60
2MLL01D63	60
2MLL01D90	60
3ECLV200	45
3ECLV250	45
3ECLV320	45
3ECLV400	45
3ECLV500	45
3ECLV630	45
3ECLV750	45
3ECLV900	45
3ECLV910	45
3V0VFMD04	66
3V0VFMD05	66
3V0VFMD06	66
3V0VFRG01	66
3V0VFRG02	66
3V0VFSG01	66
3V0VFSG02	66
3V0VFVD01	66
3VCLV1F16	45
3VCLV1F20	45

Cod	Pagina
3VCLV1F25	45
3VCLV1F32	45
3VCLV1F40	45
3VCLV1F50	45
3VCLV1F63	45
3VCLV1F75	45
3VCLV1F90	45
3VCLV1F91	45
3VCLV1I16	44
3VCLV1I20	44
3VCLV1I25	44
3VCLV1I32	44
3VCLV1I40	44
3VCLV1I50	44
3VCLV1I63	44
3VCLV1I75	44
3VCLV1I90	44
3VCLV1I91	44
3VCLV1L16	80
3VCLV1L20	80
3VCLV1L25	80
3VCLV1L32	80
3VCLV1L40	80
3VCLV1L50	80
3VCLV1L63	80
3VCLV1L90	80
3VCLV1L91	80
3VCLV1Y16	45
3VCLV1Y20	45
3VCLV1Y25	45
3VCLV1Y32	45
3VCLV1Y40	45
3VCLV1Y50	45
3VCLV1Y90	45
3VCLV1Y91	45
3VGHR0A20	45
3VGHR0A25	45
3VGHR0A32	45
3VGHR0A40	45
3VGHR0A50	45
3VGHR0A63	45
3VGHR0A75	45
3VGHR0A90	45
3VGHR0A91	45
3VMNG0A20	44
3VMNG0A25	44
3VMNG0A32	44
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3VMNG0D25	44
3VMNG0D32	44
3VMNG0D40	44
3VMNG0D50	44
3VMNG0D63	44
3VMNG0D75	44
3VMNG0D90	44
3VMNG0D91	44
APOSPT160	36
APOSPT200	36
APOSPT250	36
APOSPT320	36
APOSPT400	36
APOSPT500	36

Cod	Pagina
APOSPT630	36
APOSPT750	36
APOSPT900	36
APOSPT910	36
APOSPT920	36
APOSPT930	36
APOSPT940	36
ARVSCPF20	61
ARVSCPF25	61
ARVSCPF32	61
ARVSCPF40	61
ARVSCPF50	61
ARVSCPF63	61
ARVSCPF90	61
AVSSTF200	49
AVSSTF250	49
AVSSTF320	49
AVSSTF400	49
AVSSTF500	49
AVSSTF630	49
AVSSVM160	49
AVSSVM200	49
AVSSVM250	49
AVSSVM320	49
AVSSVM400	49
AVSSVM500	49
AVSSVM630	49
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DV0DEF32B	22
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DV0DEF40B	22
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DV0DEF50B	22
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DV0DEF50D	22
DV0DEF50Z	22
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DV0DEF63B	22
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DV0DEF63Z	22
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DV0DEF75E	22
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DV0DEF90B	22
DV0DEF90C	22
DV0DEF90D	22
DV0DEF90E	22
DV0DEF90F	22
DV0DEF90G	22
DV0DEF90Z	22
DV0DEF91B	22
DV0DEF91C	22
DV0DEF91D	22
DV0DEF91E	22
DV0DEF91F	22
DV0DEF91G	22
DV0DEF92B	22
DV0DEF92C	22

# Index Coduri

Cod	Pag ina	Cod	Pag ina	Cod	Pag ina
DV0DEF92D	22	DV0DEI96D	20	RV0AFP50G	33
DV0DEF92E	22	DV0DEI96E	20	RV0AFP63G	33
DV0DEF92F	22	DV0DEI96F	20	RV0AFP75G	33
DV0DEF92G	22	DV0DEI96G	20	RV0AFP75H	33
DV0DEF93B	22	DV0DEI97F	20	RV0AFP75I	33
DV0DEF93C	22	DV0DEI97G	20	RV0AFP90H	33
DV0DEF93D	22	DV0DEI98F	20	RV0AFP90I	33
DV0DEF93E	22	DV0DEI98G	20	RV0AFP90L	33
DV0DEF93F	22	DV0DEI99F	20	RV0AFP91I	33
DV0DEF93G	22	DV0DEI99G	20	RV0AFP91L	33
DV0DEF94C	22	DV0DMF32B	23	RV0AFR16A	77
DV0DEF94D	22	DV0DMF40B	23	RV0AFR20B	77
DV0DEF94E	22	DV0DMF50B	23	RV0AFR25C	77
DV0DEF94F	22	DV0DMF50D	23	RV0AFR32D	77
DV0DEF94G	22	DV0DMF63B	23	RV0AFR40E	77
DV0DEF96D	22	DV0DMF63D	23	RV0AFR50F	77
DV0DEF96E	22	DV0DMF75B	23	RV0AFR63G	77
DV0DEF96F	22	DV0DMF75D	23	RV0AFR90I	77
DV0DEF96G	22	DV0DMF75F	23	RV0AFR91L	77
DV0DEF97E	22	DV0DMF90B	23	RV0AMP12A	32
DV0DEF97F	22	DV0DMF90D	23	RV0AMP16A	32
DV0DEF97G	23	DV0DMF90F	23	RV0AMP16B	32
DV0DEF98E	23	DV0DMF90G	23	RV0AMP20A	32
DV0DEF98F	23	DV0DMF91B	23	RV0AMP20B	32
DV0DEF98G	23	DV0DMF91D	23	RV0AMP20C	32
DV0DEF99F	23	DV0DMF91F	23	RV0AMP25B	32
DV0DEF99G	23	DV0DMF91G	23	RV0AMP25C	32
DV0DEI32B	20	DV0DMF92F	23	RV0AMP25D	32
DV0DEI40B	20	DV0DMF92G	23	RV0AMP32C	32
DV0DEI40C	20	DV0DMF93F	23	RV0AMP32D	32
DV0DEI50B	20	DV0DMF93G	23	RV0AMP32E	32
DV0DEI50C	20	RP0ATS200	30	RV0AMP40D	32
DV0DEI50D	20	RP0ATS250	30	RV0AMP40E	32
DV0DEI63B	20	RP0ATS320	30	RV0AMP40F	32
DV0DEI63C	20	RP0ATS400	30	RV0AMP50E	32
DV0DEI63D	20	RP0ATS500	30	RV0AMP50F	32
DV0DEI63E	20	RV0AAP16A	36	RV0AMP50G	32
DV0DEI75B	20	RV0AAP20B	36	RV0AMP63F	32
DV0DEI75C	20	RV0AAP20C	36	RV0AMP63G	32
DV0DEI75D	20	RV0AAP25B	36	RV0AMP63H	32
DV0DEI75E	20	RV0AAP25C	36	RV0AMP75G	32
DV0DEI75F	20	RV0AAP25D	36	RV0AMP75H	32
DV0DEI90B	20	RV0AAP32C	36	RV0AMP75I	32
DV0DEI90C	20	RV0AAP32D	36	RV0AMP90H	32
DV0DEI90D	20	RV0AAP40D	36	RV0AMP90I	32
DV0DEI90E	20	RV0AAP40E	36	RV0AMP90L	32
DV0DEI90F	20	RV0AAP50E	36	RV0AMP91I	32
DV0DEI90G	20	RV0AAP50F	36	RV0AMP91L	32
DV0DEI91B	20	RV0AAP50G	36	RV0AMP91N	32
DV0DEI91C	20	RV0AAP63G	36	RV0AMP92N	32
DV0DEI91D	20	RV0AAP75G	36	RV0AMR16A	76
DV0DEI91E	20	RV0ADP75H	33	RV0AMR16B	76
DV0DEI91F	20	RV0ADP90I	33	RV0AMR20B	76
DV0DEI91G	20	RV0ADP91L	33	RV0AMR20C	76
DV0DEI92C	20	RV0ADR90I	76	RV0AMR25C	76
DV0DEI92D	20	RV0ADR91L	76	RV0AMR25D	76
DV0DEI92E	20	RV0AFP16A	33	RV0AMR32D	76
DV0DEI92F	20	RV0AFP20B	33	RV0AMR32E	76
DV0DEI92G	20	RV0AFP20C	33	RV0AMR40E	76
DV0DEI93D	20	RV0AFP25B	33	RV0AMR40F	76
DV0DEI93E	20	RV0AFP25C	33	RV0AMR50F	76
DV0DEI93F	20	RV0AFP25D	33	RV0AMR50G	76
DV0DEI93G	20	RV0AFP32C	33	RV0AMR63G	76
DV0DEI94C	20	RV0AFP32D	33	RV0AMR63H	76
DV0DEI94D	20	RV0AFP40D	33	RV0AMR75H	76
DV0DEI94E	20	RV0AFP40E	33	RV0AMR75I	76
DV0DEI94F	20	RV0AFP50E	33	RV0AMR90I	76
DV0DEI94G	20	RV0AFP50F	33	RV0AMR90L	76

# Index Coduri

Cod	Pagina
RV0BFC200	78
RV0BFC250	78
RV0BFC320	78
RV0BFC400	78
RV0BFC500	78
RV0BFC630	78
RV0BFF160	28
RV0BFF200	28
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RV0BLF900	29
RV0BLF910	29
RV0BLI160	17
RV0BLI200	17
RV0BLI250	17
RV0BLI320	17
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RV0BLI500	17
RV0BLI630	17
RV0BLI750	17
RV0BLI900	17
RV0BLI910	17
RV0BLL160	74
RV0BLL200	74
RV0BLL250	74

Cod	Pagina
RV0BLL320	74
RV0BLL400	74
RV0BLL500	74
RV0BLL630	74
RV0BLL900	74
RV0BLL910	74
RV0BMC200	78
RV0BMC250	78
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RV0BMF20B	34
RV0BMF25C	34
RV0BMF32D	34
RV0BMF40E	34
RV0BMF50F	34
RV0BMF63G	34
RV0BMM16A	34
RV0BMM20B	34
RV0BMM25C	34
RV0BMM32D	34
RV0BMM40E	34
RV0BMM50F	34
RV0BMM63G	34
RV0BMP25C	33
RV0BMP32D	33
RV0BMP40E	33
RV0BMP50F	33
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RV0BMP63G	33
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RV0BOF900	28
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RV0BOI320	15
RV0BOI400	15
RV0BOI500	15
RV0BOI630	15
RV0BOI750	15
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RV0BOI910	15
RV0BOL160	73
RV0BOL200	73
RV0BOL250	73
RV0BOL320	73
RV0BOL400	73
RV0BOL500	73
RV0BOL630	73
RV0BOL900	73
RV0BOL910	73
RV0BOP16A	32
RV0BOP20B	32
RV0BOP25C	32
RV0BOP32D	32
RV0BOP40E	32
RV0BOP50F	32
RV0BOP63G	32

Cod	Pagina
RV0BOP75H	32
RV0BOP90I	32
RV0BOP91L	32
RV0BOR16A	78
RV0BOR20B	78
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RV0BOR63G	78
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RV0CAI910	14
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RV0CAI930	14
RV0CAI940	14
RV0CAI960	14
RV0CAI970	14
RV0CAL160	72
RV0CAL200	72
RV0CAL250	72
RV0CAL320	72
RV0CAL400	72
RV0CAL500	72
RV0CAL630	72
RV0CAL900	72
RV0CAL910	72
RV0CAL940	72
RV0CRI200	13
RV0CRI250	13
RV0CRI320	13
RV0CRI400	13
RV0CRI500	13
RV0CRI630	13
RV0CRI750	13
RV0CRI900	13
RV0CRI910	13
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RV0CUI400	14
RV0CUI500	14
RV0CUI630	14
RV0CUI750	14
RV0CUI900	14
RV0CUI910	14
RV0CUL200	74
RV0CUL250	74
RV0CUL320	74

# Index Coduri

Cod	Pag ina	Cod	Pag ina	Cod	Pag ina
RV0CUL400	74	RV0FLI920	18	RV0GOR63G	76
RV0CUL500	74	RV0FLI930	18	RV0GOR90I	76
RV0CUL630	74	RV0FLI940	18	RV0GOR91L	76
RV0CUL900	74	RV0FLI960	18	RV0GPI500	9
RV0CUL910	74	RV0FLI970	18	RV0GPI630	9
RV0DAF200	25	RV0FLI980	18	RV0GTI500	11
RV0DAF250	25	RV0FLI991	18	RV0GTI630	11
RV0DAF320	25	RV0GGP16A	35	RV0GYF160	24
RV0DAF400	25	RV0GGP20B	35	RV0GYF200	24
RV0DAF500	25	RV0GGP25C	35	RV0GYF250	24
RV0DAF630	25	RV0GGP32D	35	RV0GYF320	24
RV0DAF750	25	RV0GGP40E	35	RV0GYF400	24
RV0DAF900	25	RV0GGP50F	35	RV0GYF500	24
RV0DAF910	25	RV0GGP63G	35	RV0GYF630	24
RV0FAI920	18	RV0GOF160	24	RV0GYF750	24
RV0FCI200	19	RV0GOF200	24	RV0GYF900	24
RV0FCI250	19	RV0GOF250	24	RV0GYF910	24
RV0FCI320	19	RV0GOF320	24	RV0GYI160	10
RV0FCI400	19	RV0GOF400	24	RV0GYI200	10
RV0FCI500	19	RV0GOF500	24	RV0GYI250	10
RV0FCI630	19	RV0GOF630	24	RV0GYI320	10
RV0FCI750	19	RV0GOF750	24	RV0GYI400	10
RV0FCI900	19	RV0GOF900	24	RV0GYI500	10
RV0FCI910	19	RV0GOF910	24	RV0GYI630	10
RV0FCI920	19	RV0GOI160	9	RV0GYI750	10
RV0FCI930	19	RV0GOI200	9	RV0GYI900	10
RV0FCI940	19	RV0GOI250	9	RV0GYI910	10
RV0FCI960	19	RV0GOI320	9	RV0GYI920	10
RV0FCI970	19	RV0GOI400	9	RV0GYI930	10
RV0FFF200	28	RV0GOI500	9	RV0GYI940	10
RV0FFF250	28	RV0GOI630	9	RV0GYI960	10
RV0FFF320	28	RV0GOI750	9	RV0GYI970	10
RV0FFF400	28	RV0GOI900	9	RV0GYI980	10
RV0FFF500	28	RV0GOI910	9	RV0GYI991	10
RV0FFF630	28	RV0GOI920	9	RV0GYL160	71
RV0FFF750	28	RV0GOI930	9	RV0GYL200	71
RV0FFF900	28	RV0GOI940	9	RV0GYL250	71
RV0FFF910	28	RV0GOI960	9	RV0GYL320	71
RV0FFI200	18	RV0GOI970	9	RV0GYL400	71
RV0FFI250	18	RV0GOI980	9	RV0GYL500	71
RV0FFI320	18	RV0GOI991	9	RV0GYL630	71
RV0FFI400	18	RV0GOL160	70	RV0GYL900	71
RV0FFI500	18	RV0GOL200	70	RV0GYL910	71
RV0FFI630	18	RV0GOL250	70	RV0GYL970	71
RV0FFI750	18	RV0GOL320	70	RV0MAF160	24
RV0FFI900	18	RV0GOL400	70	RV0MAF200	24
RV0FFI910	18	RV0GOL500	70	RV0MAF250	24
RV0FFI920	18	RV0GOL630	70	RV0MAF320	24
RV0FFI930	18	RV0GOL900	70	RV0MAF400	24
RV0FFI940	18	RV0GOL910	70	RV0MAF500	24
RV0FFL200	74	RV0GOL940	70	RV0MAF630	24
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