



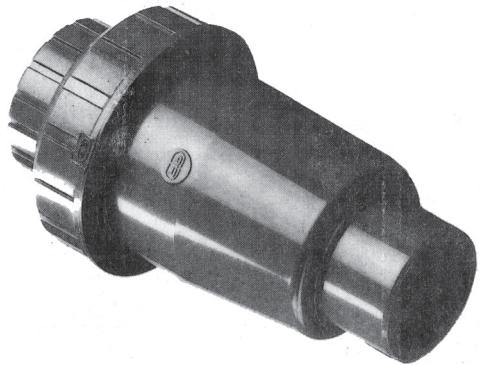
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VALVOLA DI SFOGO (PVC)

FOOT VALVE (PVC)

CLAPET DE PIED (PVC)

FUßVENTIL (PVC)



## CARATTERISTICHE DEL MATERIALE

Le pressioni max di esercizio delle valvole FIP, per il trasporto di acqua fino a 20° C, sono indicate in tab. 1. Per temperature superiori a 20° C le pressioni max di esercizio si devono ridurre come illustrato dalla curva di fig. 2.

La F.I.P. pubblica inoltre una «Guida alla resistenza chimica dei materiali termoplastici ed elastomerici» nel corpo del proprio catalogo generale, prospetto 9.1 I: essa riporta il campo di utilizzo delle valvole F.I.P. (corpo e garniture) nel trasporto dei prodotti chimici e può essere richiesta anche separatamente dal catalogo.

## MATERIAL INFORMATION

FIP valves are rated for a working pressure at 20° C, listed on table 1. For service temperature above 20° C reduce working pressure according to the curve shown on fig. 2.

F.I.P. is also issuing «Guide of chemical resistance of thermoplastics and elastomers» (See leaflet 9.1 E of general catalogue); such a guide describes the fields of application of F.I.P. valves (body and gaskets) in the conveyance of chemicals and it can also be required apart from the catalogue.

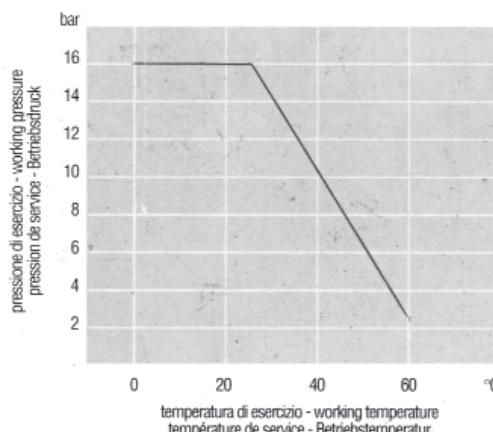
## 1.

Pressione massima di esercizio a 20° C  
Maximum working pressure at 20° C  
Pression maximale de service à 20° C  
Betriebsdruck max bei 20° C

d	16	20	25	32	40	50	63
DN	10	15	20	25	32	40	50
R	1/8	1/2	3/4	1	1 1/4	1 1/2	2
PN	16	16	16	16	16	16	16

## 2.

Variazione della pressione in funzione della temperatura  
Pressure temperature rating  
Variation de la pression en fonction de la température  
Nenndruck Betriebsdruck in Abhängigkeit von der Temperatur



## CARACTÉRISTIQUES DU MATERIEL

Les pressions maximales de service des robinets FIP pour le transport d'eau à 20° C, sont indiquées dans la fig. 1. Pour températures supérieures à 20° C, on doit réduire les pressions maximales de service selon la courbe de fig. 2.

Dans son catalogue général F.I.P. à prévu une «Guide à la résistance chimique des matières thermoplastiques et élastomériques» (Brochure 9.1 F). Elle indique le domaine d'utilisation des robinets F.I.P. (corps et garnitures) dans le transport de produits chimiques et peut être demandée même séparément du catalogue.

## MATERIALEIGENSCHAFTEN

Der max. Druck für FIP-Armaturen ist in Abb. 1 für Wasser bei 20° C zu entnehmen.  
Für Betriebstemperaturen über 20° C muss der wulässige Betriebsdruck gemäss Abb. 2 reduziert werden.

F.I.P. veröffentlicht auch eine «Einführung zur chemischen Beständigkeit der thermoplastische und elastomerische Materialien», sie beschreibt das Verwendungsfeld der F.I.P. Ventilen (Körper und Dichtung) in Transport der Chemikalien und sie kann auch ohne das Katalog geliefert werden.

## 3.

Temperatura di esercizio (°C)  
Working temperature (°C)  
Température de service (°C)  
Betriebstemperatur (°C)

	T min.	T max
PVC	0	+ 60

## 4.

Pressioni minime per il sollevamento del pistone  
Minimum pressure drop for piston in the fully open position  
Pression minimale pour l'élevation du piston  
Druckverlust bei völlig angehobenem Stempel

d	16	20	25	32	40	50	63
R	1/8	1/2	3/4	1	1 1/4	1 1/2	2
bar	0,008	0,008	0,009	0,014	0,017	0,018	0,021

## 5.

Pressioni minime per la tenuta (pistone in posizione chiusa)  
Minimum back pressure for drop tight service  
(piston in closed position)  
Pression minimale pour l'étanchéité  
(piston en position fermée)  
Mindestdruck für tropfdichten Abschluß  
(Stempel in geschlossener Stellung)

d	16	20	25	32	40	50	63
R	1/8	1/2	3/4	1	1 1/4	1 1/2	2
mm H <sub>2</sub> O	150	150	200	350	350	350	350

## PROCEDURE D'INSTALLAZIONE

## GIUNZIONE PER INCOLLAGGIO (PVC)

Per la giunzione di valvole e raccordi tramite incollaggio occorre attenersi alle seguenti raccomandazioni generali:

- Rimuovere ogni traccia di grasso polvere e sporcizia dalle superficie da incollare. Si consiglia di effettuare tale operazione mediante carteggiatura
- Smussare a 15/30° l'estremità del tubo da unire.
- Utilizzare collanti esclusivamente destinati a connessioni longitudinali di tubi in PVC
- Dopo l'incollaggio attendere almeno 24 ore prima di effettuare la prova idraulica delle giunzioni

## GIUNZIONE FILETTATA (PVC)

Per la giunzione di valvole e raccordi filettati occorre attenersi alle seguenti raccomandazioni generali:

- È assolutamente da evitare l'uso di canapa, stoffa, filacce e vernici per effettuare la tenuta stagna sulla filettatura. UTILIZZARE ESCLUSIVAMENTE NASTRO IN PTFE non sintetizzato
- L'avvitamento deve essere effettuato totalmente, per l'intera lunghezza della filettatura
- Utilizzare adeguate chiavi a nastro o a catena onde evitare di incidere e sollecitare in modo anomalo il materiale. La F.I.P. pubblica una dettagliata «Guida all'installazione» che distribuisce a richiesta (prospetto 9.2 I)

## PROCEDURES D'INSTALLATION

## JONCTION PAR COLLAGE (PVC)

Pour la jonction par collage des robinets et raccords il faut suivre les recommandations générales suivantes:

- Enlever complètement les traces de graisse, poudre et saleté de la surface à coller. On conseille d'effectuer cette opération avec du papier verré
- Chanfreiner à 15/30° l'extrémité du tube à assembler
- Utiliser exclusivement de la colle qui est appropriée pour la jonction longitudinale des tubes en PVC
- Après le collage attendre au moins 24 h, avant d'effectuer le test idraulique des jonctions

## JONCTION TARAUDÉE (PVC)

Pour la jonction des robinets et raccords taraudées, il faut suivre les recommandations générales suivantes:

- Il faut absolument éviter l'utilisation d'étoope, filasse et vernis pour réaliser l'étanchéité sur le taraudage. UTILISER EXCLUSIVEMENT DU RUBAN EN PTFE PAS FRITE
- Le vissage doit être effectué pour toute longueur du taraudage
- Utiliser des clés appropriées pour éviter de graver et de fatiguer d'une façon normale la matière.

## EINBAUVERFAHREN

## KLEBEVERBINDUNGEN (PVC)

Für Ventil- und Fittings-Klebeverbindungen gelten folgende allgemeine Hinweise:

- Fertigungsrückstände, Fett, Staub und Schmutz von der Klebefläche entfernen. Hinzu wird die Verwendung von sog. Reinigern empfohlen
- Rohrenden unter ca. 15/30° anschrägen
- Ausschließlich Kleber die Für Verbindungen von PVC Erzeugnissen vorgesehen sind, verwenden
- Nach dem Kleben sollen mindestens 24 Stunden bis zur Wasserdurchprobe gewartet werden

## GEWINDEVERBINDUNGEN (PVC)

General instructions to be followed for threaded jointing of valves and fittings.

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Pos.	Componenti	Materiale
1	cassa	PVC
2	pistoncino	PVC
3	collare	PVC
4	ghiera	PVC
*5	guarnizione della cassa	EPDM
*6	guarnizione del pistoncino	EPDM

\* parti di ricambio

Pos.	Components	Material
1	body	PVC
2	piston	PVC
3	collar	PVC
4	lock nut	PVC
*5	body seal	EPDM
*6	piston seal	EPDM

\* spare parts

Pos.	Composants	Materiaux
1	corps	PVC
2	petit piston	PVC
3	collet	PVC
4	douille	PVC
*5	joint du corps	EPDM
*6	joint d'étanchéité	EPDM

\* pièces de recharge

Pos.	Benennung	Werkstoff
1	Gehäuse	PVC-U
2	Stempel	PVC-U
3	Einlegeteil	PVC-U
4	Überwurfmutter	PVC-U
*5	Gehäusedichtung	EPDM
*6	Stempeldichtung	EPDM

\* Ersatzteile

## ISTRUZIONI

### INSTALLAZIONE SULL'IMPIANTO

La valvola di fondo FIP deve essere installata sempre in posizione verticale con la ghiera rivolta verso il basso.

### SMONTAGGIO

- 1) Isolare la valvola dal fluido e svuotare l'intera linea a monte
- 2) Svitare la ghiera di chiusura (4)
- 3) Rimuovere il collare (3) e la guarnizione del corpo (5)
- 4) Rimuovere il pistone (2) e la relativa guarnizione (6)

### MONTAGGIO

- 1) Posizionare la guarnizione del corpo (5) e la guarnizione del pistone (6) nelle loro sedi
- 2) Inserire il pistone (2) nel corpo (1)
- 3) Posizionare il collare (3)
- 4) Serrare la ghiera (4)

Queste operazioni posso essere effettuate senza smontare la valvola dall'impianto.

## INSTRUCTIONS

### CONNECTION TO THE SYSTEM

The FIP foot valve must always be installed in a vertical position with the lock nut at the bottom..

### DISASSEMBLY

- 1) Isolate the valve from the line flow and drain down the entire upstream system
- 2) Unscrew the lock nut (4)
- 3) Remove the collar (3) and the body seal (5)
- 4) Remove the piston (2) and the piston seal (6)

### ASSEMBLY

- 1) Position the body seal (5) and the piston seal (6) on their seats
- 2) Insert the piston (2) in the body (1)
- 3) Position the collar (3)
- 4) Tighten the lock nut (4)

These operations may be carried out without dismantling the valve from the system.

## INSTRUCTIONS

### MONTAGE SUR L'INSTALLATION

Le clapet de pied FIP doit toujours être installé en position verticale avec la douille orientée vers le bas.

### DEMONTAGE

- 1) Isolez le clapet du flux du liquide et vidangez l'installation en amont de celui-ci
- 2) Dévissez la douille (4)
- 3) Enlevez l'érou (3) et le joint du corps (5) de leurs logements
- 4) Enlevez le petit piston (2) et le joint d'étanchéité (6)

### MONTAGE

- 1) Introduisez le joint de corps (5) et le joint d'étanchéité (6) dans leurs logements
- 2) Montez le petit piston (2)
- 3) Placez l'érou (3)
- 4) Vissez la douille (4)

Ces opérations peuvent être exécutées sans démonter le clapet de l'installation.

## VORSCHRIFTEN

### EINBAU IN EINE LEITUNG

FIP-Fußventil müssen immer in senkrechten Leitungen mit der Überwurfmutter nach unten eingebaut werden.

### DEMONTAGE

- 1) Die Leitung ist an geeigneter Stelle drucklos zu machen und zu entleeren
- 2) Danach ist die Überwurfmutter (4) abzuschrauben
- 3) Das Einlegeteil (3) und die Gehäusedichtung (5) können nun entfernt werden
- 4) Der Stempel (2) mit der Stempeldichtung (6) kann herausgenommen werden

### MONTAGE

- 1) Die Stempeldichtung (6) und die Gehäusedichtung (5) sind entsprechend einzusetzen
- 2) Der Stempel (5) wird nun in das Gehäuse (1) gesteckt
- 3) Das Einlegeteil (3) ist aufzusetzen
- 4) Danach wird die Überwurfmutter (4) aufgeschraubt

Bei Wartungsarbeiten kann das Gehäuse in der Leitung verbleiben.

