

# Astore Keymak

a member of the **Hudaco** group

*“Driven by quality; Delivered by experience!”*



# CATALOGUE



# FIP

FIP



# FIP THERMOPLASTIC VALVE RANGE



## Did you know?

Astore Keymak offers Valves in  
5 different Thermoplastic  
Materials!



## PVC

### **PVC (Polyvinyl chloride)**

Series of fittings designed for conveying fluids under pressure with a cold chemical weld jointing system (solvent welding) using a suitable solvent cement and cleaner-primer.



## POLYPROPYLENE

**PP** is a synthetic resin built up by the polymerization of propylene. One of the important family members of the Polyolefin resins, polypropylene is a tough, flexible, and light weight and Can Handle temperature of -5 to 90 deg C.



## PVDF

**PVDF** is an extremely pure polymer which, compares to many other plastics, does not contain any stabilizers, UV thermostabilizers, plasticizers, lubricants or flame retarding additives. It's particularly suitable for conveying highly aggressive media such as Hydrochloric acid or Sulphuric acid. The temperature range of PVDF is 20 to 120 deg C.





## Unplasticized Polyvinyl Chloride (U-PVC) VALVES



The U-PVC range includes ball valves, butterfly valves, diaphragm valves as well as check valves, sediment strainers, air release, foot valves, angle seat valves to be used in the construction of process and service lines to convey industrial fluids at maximum operating temperatures of 60°C.

Technical Specifications:	
Material:	U-PVC Unplasticized Polyvinyl Chloride
Colour:	Grey
Reference standards:	<b>Solvent welding:</b> metric size according to EN ISO 1452, EN ISO 15493, ISO 727 <b>Solvent welding:</b> plain inch according to BS 4346-1, plain tapered to ASTM 2467 and JIS K6743 <b>Parallel threads</b> according to ISO 228-1, tapered threads according to ASTM D2464 and JIS B0203 Connection with stub flanges according to EN ISO 1452, EN ISO 15493, ANSI B16.5 cl.150
Range:	<b>Ball valves:</b> from Ø 16 mm to Ø 110 mm <b>Butterfly valves:</b> from Ø 50mm to Ø 400 mm <b>Diaphragm valves:</b> from Ø 12 mm to Ø 110 mm <b>Check valves:</b> from Ø 20 mm to Ø 110 mm <b>Sediment strainer:</b> from Ø 20 mm to Ø 110 m
Working Pressure classes:	PN16
Working temperature range:	From 0 °C to 60 °C
Seal material:	EPDM, FKM, PTFE

# FIP-PVC MANUAL VALVES



## TWO WAY BALL VALVE SERIES VKD DUAL BLOCK

Sizes (16mm to 63mm)

- U - PVC True union two way ball valve with union nuts blocking system **DUAL BLOCK**
- Maximum working pressure 16 bar (water at 20°C)
- Patented two process ball carrier : "Seat Stop System" with seat micro-adjustment and axial pipe load blocking
- Ergonomic handle with removal insert tool for seat adjustment
- Integrated upper connection for actuation according to Standard ISO
- Moulded in bracket for pipes and valve supporting
- Floating ball system with double groove stem connection.

### VALF-VKDIV

Double union ball valve  
with dual block union lock  
Sockets plain for solvent welding



VALF-VKDIV		CODE	CODE
d	DN		
16	10	VALFVKDIV0016E	VALFVKDIV0016F
20	15	VALFVKDIV0020E	VALFVKDIV0020F
25	20	VALFVKDIV0025E	VALFVKDIV0025F
32	25	VALFVKDIV0032E	VALFVKDIV0032F
40	32	VALFVKDIV0040E	VALFVKDIV0040F
50	40	VALFVKDIV0050E	VALFVKDIV0050F
63	50	VALFVKDIV0063E	VALFVKDIV0063F

### VALF-VKDFV

Double union ball valve  
with dual block union lock  
BSP - female threaded sockets



VALF-VKDFV		CODE	CODE
d	DN		
3/8"	10	VALFVKDFV0375E	VALFVKDFV0375F
1/2"	15	VALFVKDFV0500E	VALFVKDFV0500F
3/4"	20	VALFVKDFV0750E	VALFVKDFV0750F
1"	25	VALFVKDFV1000E	VALFVKDFV1000F
1 1/4"	32	VALFVKDFV1250E	VALFVKDFV1250F
1 1/2"	40	VALFVKDFV1500E	VALFVKDFV1500F
2"	50	VALFVKDFV2000E	VALFVKDFV2000F

### POWER QUICK ACTUATION MODULE

CAPABILITY OF MOUNTING  
ACTUATORS & LMIIT  
SWITCHES TO THE VKD RANGE  
OF BALL VALVES 2 WAY  
& 3 WAY  
(ISO MOUNTING 5211, F03-F04-F05-F07)



VLF-VKDIV		CODE	ISO MOUNTING
d	DN		
16	10	VALSVKDPQ1620P304	F03 - F04
20	15	VALSVKDPQ1620P305	F03 - F04
25	20	VALSVKDPQ00250305	F03 - F05
32	25	VALSVKDPQ00320305	F03 - F05
40	32	VALSVKDPQ00400507	F05 - F07
50	40	VALSVKDPQ00500507	F05 - F07
63	50	VALSVKDPQ00630507	F05 - F07

Prices of screw on flanges to suit FIP  
Union ended ball valves type VKD

### VALS-FFF

PVC flanges drilled to  
DIN NP 10/16 (BS 4504)



VALS-FFF		
d	DN	CODE
20	15	VALSFFF020PVC
25	20	VALSFFF025PVC
32	25	VALSFFF032PVC
40	32	VALSFFF040PVC
50	40	VALSFFF050PVC
63	50	VALSFFF063PVC
75	65	VALSFFF075PVC
90	80	VALSFFF090PVC
110	100	VALSFFF110PVC

### VALS-FFF

PVC flanges drilled to  
DIN NP 10/16 (BS 4504)



ANSI Class 150		
d	DN	CODE
1/2"	15	VALSFFFA050PVC
3/4"	20	VALSFFFA075PVC
1"	25	VALSFFFA100PVC
1 1/4"	32	VALSFFFA125PVC
1 1/2"	40	VALSFFFA150PVC
2"	50	VALSFFFA200PVC
2 1/2"	65	VALSFFFA250PVC
3"	80	VALSFFFA300PVC
4"	100	VALSFFFA400PVC



# FIP-PVC MANUAL VALVES



## TWO WAY DUAL BLOCK UNION LOCK BALL VALVE SERIES VKD (Sizes 75mm - 110mm)

New safe blocked union - locks union nuts in preset position

Multi function handle - positive latching and locking in 12 positions on valve sizes 75mm and larger

Moulded mounting flange according to ISO 5211 for ease of actuator fitting


Patented seat stop carrier for fine seat adjustments

Ergonomic handle with removable insert tool for seat adjustment

Maximum working pressure: 16 bar at 20°C

Lower and upper stems reinforced with stainless steel shafts on valve sizes 75mm and larger


VALF-VKDIV



Double union ball valve  
with dual block union lock  
Sockets plain for solvent welding

VALF-VKDIV		CODE	EPDM	CODE	FPM
d	DN				
75	65	VALFVKDIV0075E		VALFVKDIV0075F	
90	80	VALFVKDIV0090E		VALFVKDIV0090F	
110	100	VALFVKDIV0110E		VALFVKDIV0110F	

VALF-VKDFV



Double union ball valve  
with dual block union lock  
BSP female threaded sockets

VALF-VKDFV		CODE	EPDM	CODE	FPM
BSP	DN				
2½"	65	VALFVKDFV2500E		VALFVKDFV2500F	
3"	80	VALFVKDFV3000E		VALFVKDFV3000F	
4"	100	VALFVKDFV4000E		VALFVKDFV4000F	

## TWO WAY BALL VALVE SERIES VXE (Sizes 16mm - 3/8" - 110mm - 4")

Compact Design

Maximum working pressure: 16 bar at 20°C


Ball Seats in PTFE

New Innovative handle design incorporates a bevel gear for loosening or tightening the union nuts

New labelling facility in the handle

Handle incorporates tool for valve disassembly

VALF-VXEIV




DOUBLE UNION  
BALL VALVE

Sockets plain  
for solvent welding

VALF-VXEIV		PTFE Ball Seat	
d	DN	CODE	FPM
16	10	VALFVXEIV0016E	VALFVXEIV0016F
20	15	VALFVXEIV0020E	VALFVXEIV0020F
25	20	VALFVXEIV0025E	VALFVXEIV0025F
32	25	VALFVXEIV0032E	VALFVXEIV0032F
40	32	VALFVXEIV0040E	VALFVXEIV0040F
50	40	VALFVXEIV0050E	VALFVXEIV0050F
63	50	VALFVXEIV0063E	VALFVXEIV0063F
75	65	VALFVXEIV0075E	VALFVXEIV0075F
90	80	VALFVXEIV0090E	VALFVXEIV0090F
110	100	VALFVXEIV0110E	VALFVXEIV0110F

VALF-VXEFV



DOUBLE UNION  
BALL VALVE

BSP female threaded sockets

VALF-VXEFV		PTFE Ball Seat	
BSP	DN	CODE	FPM
¼"	10	VALFVXEFV0375E	VALFVXEFV0375F
½"	15	VALFVXEFV0500E	VALFVXEFV0500F
¾"	20	VALFVXEFV0750E	VALFVXEFV0750F
1"	25	VALFVXEFV1000E	VALFVXEFV1000F
1¼"	32	VALFVXEFV1250E	VALFVXEFV1250F
1½"	40	VALFVXEFV1500E	VALFVXEFV1500F
2"	50	VALFVXEFV2000E	VALFVXEFV2000F
2½"	65	VALFVXEFV2500E	VALFVXEFV2500F
3"	80	VALFVXEFV3000E	VALFVXEFV3000F
4"	100	VALFVXEFV4000E	VALFVXEFV4000F

# FIP-PVC MANUAL VALVES



## THREE WAY BALL VALVES SERIES TKD/LKD

- ☐ 3-Way ball valve: radially assembled on each part
- ☐ Material options: PVC, C-PVC, PP-H, PVDF, ABS
- ☐ Maximum working pressure: 16 bar at 20°C
- ☐ Positive latching handle for every 45° rotation
- ☐ Positive locking facility of the handle
- ☐ Rugged one-piece body incorporates moulded mounting flange according to ISO 5211 for ease of actuator fitting
- ☐ T-Port and L-Port options
- ☐ PTFE seats for self-centering of the ball
- ☐ TKD - LKD version has the capability of fitting Power Quick module for actuation

### VALF-TKIV, TKDIV, LKIV, LKDIV

THREE WAY BALL VALVES  
T-PORT / L-PORT

PVC body with solvent weld  
socket union ends



d	DN	VALF-TKIV, TKDIV		VALF-LKIV, LKDIV	
		CODE	EPDM	CODE	FPM
20	15	VALFTKDIV0020E		VALFTKDIV0020F	
25	20	VALFTKDIV0025E		VALFTKDIV0025F	
32	25	VALFTKDIV0032E		VALFTKDIV0032F	
40	32	VALFTKDIV0040E		VALFTKDIV0040F	
50	40	VALFTKDIV0050E		VALFTKDIV0050F	
63	50	VALFTKDIV0063E		VALFTKDIV0063F	

## PVC REGULATING BALL VALVE SERIES - VKR (Sizes 20mm - 63mm)

- ☐ FIP VKR DUAL BLOCK valves combine typical full bore VKD ball valve reliability and safety along with a new accurate repeatable flow regulation function which meets the most extreme requirements of industrial applications
  - ☐ The patented ball design provides linear flow regulation throughout its range of operation even when the valve is open just a few degrees and guarantees minimum pressure losses
  - ☐ 90° operating angle (like a traditional shut-off ball valve) which allows the use of standard quarter turn actuators
  - ☐ Handle fitting with disc showing valve position on a graduated scale of 5° for accurate, easy reading
- Maximum working pressure: 16 bar at 20°C

### VALF-TKVF, TKDFV, LKFV, LKDFV

THREE WAY BALL VALVES  
T-PORT / L-PORT

PVC body with ends threaded  
BSP female



BSP	DN	VALF-TKVF, TKDFV		VALF-LKFV, LKDFV	
		CODE	EPDM	CODE	FPM
1/2"	15	VALFTKDFV0500E		VALFTKDFV0500F	
1/4"	20	VALFTKDFV0750E		VALFTKDFV0750F	
1"	25	VALFTKDFV1000E		VALFTKDFV1000F	
1 1/2"	32	VALFTKDFV1250E		VALFTKDFV1250F	
1 1/2"	40	VALFTKDFV1500E		VALFTKDFV1500F	
2"	50	VALFTKDFV2000E		VALFTKDFV2000F	

### VALF-VKRV

U PVC DOUBLE UNION  
DUAL BLOCK  
REGULATING BALL VALVE



Socket plain for solvent welding

VALF-VKRV		
EPDM		
d	DN	Code
20	15	VALFVKRV0020E
25	20	VALFVKRV0025E
32	25	VALFVKRV0032E
40	32	VALFVKRV0040E
50	40	VALFVKRV0050E
63	50	VALFVKRV0063E

## TWO WAY BALL VALVE SERIES VEEIV/VEEFV (Sizes 16mm / 3/8" - 110mm / 4")

- ☐ Compact design
- ☐ Maximum working pressure: 16 bar at 20°C
- ☐ Ball Seats in Polyethylene
- ☐ New innovative handle design incorporates a bevel gear for loosening or tightening the union nuts
- ☐ New labelling facility in the handle
- ☐ Handle incorporates tool for valve disassembly

### VALF-VEEIV

DOUBLE UNION  
BALL VALVE



Socket plain for solvent welding

VALF-VEEIV Polyethylene ball seats			VALF-VEEFV Polyethylene ball seats		
EPDM			EPDM		
BSP	DN	Code	BSP	DN	Code
16	10	VALFVEEIV0016E	1/4"	10	VALFVEEFV00375E
20	15	VALFVEEIV0020E	1/2"	15	VALFVEEFV00500E
25	20	VALFVEEIV0025E	1/2"	20	VALFVEEFV00750E
32	25	VALFVEEIV0032E	1"	25	VALFVEEFV1000E
40	32	VALFVEEIV0040E	1 1/4"	32	VALFVEEFV1250E
50	40	VALFVEEIV0050E	1 1/2"	40	VALFVEEFV1500E
63	50	VALFVEEIV0063E	2"	50	VALFVEEFV2000E
75	65	VALFVEEIV0075E	2 1/2"	65	VALFVEEFV2500E
90	80	VALFVEEIV0090E	3"	80	VALFVEEFV3000E
110	100	VALFVEEIV0110E	4"	100	VALFVEEFV4000E

### VALF-VEEFV

DOUBLE UNION  
BALL VALVE



BSP female threaded sockets



# FIP-PVC MANUAL VALVES



## BUTTERFLY VALVES SERIES FK

- Butterfly valve series FK with PVC disc
- Glass fibre reinforced PP body with centre-line bi-directional PVC disc. Both disc and liner are replaceable
- Size range from d 50mm (DN 40) up to d400 (DN400)
- Working pressure: 50-63mm PN16, 75 - 280MM PN10, 315MM PN8, 355 + 400MM PN6\*
- Full flanged body to fit between flanges to all international standard drillings
- Positive locking/latching lever to for 10 positions from open to closed
- Connection in accordance with ISO standards for valve actuation
- For further information before use, consult the Technical Brochure

### VALF-FKOV/LM

BUTTERFLY VALVE  
Lever Operated



Wafer type to fit  
between flanges

VALF-FKOV/LM		Liner	
d	DN	CODE EPDM	CODE FPM
50	40	VALFFKOVLM0050E	VALFFKOVLM0050F
63	50	VALFFKOVLM0063E	VALFFKOVLM0063F
75	65	VALFFKOVLM0075E	VALFFKOVLM0075F
90	80	VALFFKOVLM0090E	VALFFKOVLM0090F
110	100	VALFFKOVLM0110E	VALFFKOVLM0110F
140	125	VALFFKOVLM0140E	VALFFKOVLM0140F
160	150	VALFFKOVLM0160E	VALFFKOVLM0160F
225	200	VALFFKOVLM0225E	VALFFKOVLM0225F

Note: Lever operated as standard  
Gear operated on request

### VALF-FKOV/FM

BUTTERFLY VALVE  
Bare shaft for actuation



Available from size 50 mm  
Wafer type to fit between flanges

VALF-FKOV/FM		Liner	
d	DN	CODE EPDM	CODE FPM
50	40	VALFFKOVFM0050E	VALFFKOVFM0050F
63	50	VALFFKOVFM0063E	VALFFKOVFM0063F
75	65	VALFFKOVFM0075E	VALFFKOVFM0075F
90	80	VALFFKOVFM0090E	VALFFKOVFM0090F
110	100	VALFFKOVFM0110E	VALFFKOVFM0110F
140	125	VALFFKOVFM0140E	VALFFKOVFM0140F
160	150	VALFFKOVFM0160E	VALFFKOVFM0160F
225	200	VALFFKOVFM0225E	VALFFKOVFM0225F
280	250	VALFFKOVFM0280E	VALFFKOVFM0280F
315	300	VALFFKOVFM0315E	VALFFKOVFM0315F

### VALF-FKOV/RM

BUTTERFLY VALVE  
Gear box operated



Available from size 50 mm  
Wafer type to fit between flanges

VALF-FKOV/RM		Liner	
d	DN	CODE EPDM	CODE FPM
50	40	VALFFKOVRM0050E	VALFFKOVRM0050F
63	50	VALFFKOVRM0063E	VALFFKOVRM0063F
75	65	VALFFKOVRM0075E	VALFFKOVRM0075F
90	80	VALFFKOVRM0090E	VALFFKOVRM0090F
110	100	VALFFKOVRM0110E	VALFFKOVRM0110F
140	125	VALFFKOVRM0140E	VALFFKOVRM0140F
160	150	VALFFKOVRM0160E	VALFFKOVRM0160F
225	200	VALFFKOVRM0225E	VALFFKOVRM0225F
280	250	VALFFKOVRM0280E	VALFFKOVRM0280F
315	300	VALFFKOVRM0315E	VALFFKOVRM0315F
355	350	VALFFKOVRM0355E	VALFFKOVRM0355F
400	400	VALFFKOVRM0400E	VALFFKOVRM0400F

### VALF-SVUIV

VALVE



Angle seat pressure relief valve  
plain stock union ends

VALF-SVUIV		Liner	
d	DN	CODE EPDM	CODE FPM
20	15	VALFSVUIV0020E	VALFSVUIV0020F
25	20	VALFSVUIV0025E	VALFSVUIV0025F
32	25	VALFSVUIV0032E	VALFSVUIV0032F

# FIP-PVC MANUAL VALVES



## SEDIMENT STRAINERS SERIES RV

- Sediment strainer: available with grey or transparent PVC body
- Maintenance can be carried out while the strainer body is installed in-line
- Maximum working pressure: consult technical documentation
- Mesh available in PVC, PP or Stainless Steel
- No metal parts in contact with the fluid
- For further information before use, consult the Technical Brochure

### VALF-RVUIT

SEDIMENT STRAINER  
WITH TRANSPARENT BODY



Plain socket union ends  
for solvent welding

VALF-RVUIT		CODE	EPDM
d	DN		
16	10	VALFRVUIT0016E	
20	15	VALFRVUIT0020E	
25	20	VALFRVUIT0025E	
32	25	VALFRVUIT0032E	
40	32	VALFRVUIT0040E	
50	40	VALFRVUIT0050E	
63	50	VALFRVUIT0063E	

### VALF-RVUFT

SEDIMENT STRAINER  
WITH TRANSPARENT BODY



Parallel BSP female threaded  
sockets with union ends

VALF-RVUFT		CODE	EPDM
d	DN		
3/8"	10	VALFRVUFT0375E	
1/2"	15	VALFRVUFT0500E	
3/4"	20	VALFRVUFT0750E	
1"	25	VALFRVUFT1000E	
1 1/4"	32	VALFRVUFT1250E	
1 1/2"	40	VALFRVUFT1500E	
2"	50	VALFRVUFT2000E	

### VALF-RVIT

SEDIMENT STRAINER  
WITH TRANSPARENT BODY



Plain sockets for solvent welding

VALF-RVIT		CODE	EPDM
d	DN		
75	65	VALFRVIT0075E	
90	80	VALFRVIT0090E	
110	100	VALFRVIT0110E	

Smaller sizes from 16mm to 63mm available on request

### VALF-RVFT

SEDIMENT STRAINER  
WITH TRANSPARENT BODY



Parallel BSP female threaded sockets

VALF-RVFT		CODE	EPDM
d	DN		
2 1/2"	65	VALFRVFT2500E	
3"	80	VALFRVFT3000E	
4"	100	VALFRVFT4000E	

### VALF-RVDV

SEDIMENT STRAINER  
WITH PVC GREY BODY  
FOR FLANGING



Plain male spigot ends for solvent welding







VALF-RVDV		CODE	EPDM
d	DN		
16	10	VALFRVDV0016E	
20	15	VALFRVDV0020E	
25	20	VALFRVDV0025E	
32	25	VALFRVDV0032E	
40	32	VALFRVDV0040E	
50	40	VALFRVDV0050E	
63	50	VALFRVDV0063E	

RVDT Sediment strainer with transparent PVC body for  
flanging available on request



# FIP-PVC MANUAL VALVES



-  Angle pattern check valve manufactured completely in thermoplastic materials
-  Reduced pressure loss. Minimum back pressure required for drop tight seating
-  Maximum working pressure : consult technical documentation
-  Weighted valve pistons allow use in high density liquids
-  May be installed in horizontal or vertical position
-  For further information before use, consult the Technical Brochure

## VALF -VRUIV

CHECK VALVE



Plain socket union ends  
for solvent welding

VALF -VRUIV		CODE	EPDM
d	DN		
16	10	VALFVRUIV0016E	
20	15	VALFVRUIV0020E	
25	20	VALFVRUIV0025E	
32	25	VALFVRUIV0032E	
40	32	VALFVRUIV0040E	
50	40	VALFVRUIV0050E	
63	50	VALFVRUIV0063E	

## VALF -VRUFV

CHECK VALVE



Parallel BSP female threaded  
socket union ends

VALF -VRUFV		CODE	EPDM
BSP	DN		
3/8"	10	VALFVRUFV00375E	
1/2"	15	VALFVRUFV00500E	
3/4"	20	VALFVRUFV00750E	
1"	25	VALFVRUFV1000E	
1 1/4"	32	VALFVRUFV1250E	
1 1/2"	40	VALFVRUFV1500E	
2"	50	VALFVRUFV2000E	

## VALF -VRIV

CHECK VALVE



Plain sockets for  
solvent welding

VALF -VRIV		CODE	EPDM
d	DN		
75	65	VALFVRIV0075E	
90	80	VALFVRIV0090E	
110	100	VALFVRIV0110E	

Smaller sizes from 20mm to 63mm available on request

## VALF -VRFV

CHECK VALVE



Parallel BSP female  
threaded socket

VALF -VRFV		CODE	EPDM
BSP	DN		
2 1/2"	65	VALFVRFV2500E	
3"	80	VALFVRFV3000E	
4"	100	VALFVRFV4000E	

Smaller sizes from 3/8" to 2" available on request

## VALF -VRDV

CHECK VALVE  
FOR FLANGING



Plain male spigot end  
for solvent welding

VALF -VRDV		CODE	EPDM
d	DN		
16	10	VALFVRDV0016E	
20	15	VALFVRDV0020E	
25	20	VALFVRDV0025E	
32	25	VALFVRDV0032E	
40	32	VALFVRDV0040E	
50	40	VALFVRDV0050E	
63	50	VALFVRDV0063E	

## VALF -VVUIV

ANGLE SEAT VALVE



Plain socket union ends  
for solvent welding

VALF -VVUIV		CODE	EPDM
d	DN		
16	10	VALFVVUIV0016E	
20	15	VALFVVUIV0020E	
25	20	VALFVVUIV0025E	
32	25	VALFVVUIV0032E	
40	32	VALFVVUIV0040E	
50	40	VALFVVUIV0050E	
63	50	VALFVVUIV0063E	

# FIP-PVC MANUAL VALVES



## AIR RELEASE AND FOOT VALVES SERIES VA & VZ

### VALF-VAIV AIR RELEASE VALVE



Plain male spigot end  
for solvent welding

VALF-VAIV		CODE	EPDM
d	DN		
20	15	VALFVAIV0020E	
25	20	VALFVAIV0025E	
32	25	VALFVAIV0032E	
40	32	VALFVAIV0040E	
50	40	VALFVAIV0050E	
63	50	VALFVAIV0063E	

### VALF -VZIV

FOOT VALVE



Plain male spigot end for solvent welding. BSP  
threaded connections included in the packaging

VALF-VZIV		CODE	EPDM
d	DN		
16	10	VALFVZIV0016E	
20	15	VALFVZIV0020E	
25	20	VALFVZIV0025E	
32	25	VALFVZIV0032E	
40	32	VALFVZIV0040E	
50	40	VALFVZIV0050E	
63	50	VALFVZIV0063E	

## BALL VALVE ACCESSORIES

### VALS-CVDE

END CONNECTOR IN PE  
FOR VKD



Long spigots for electrofusion or butt welding

VALS-CVDE		CODE	EPDM
d	DN		
20	15	VALSCVDE0020E	
25	20	VALSCVDE0025E	
32	25	VALSCVDE0032E	
40	32	VALSCVDE0040E	
50	40	VALSCVDE0050E	
63	50	VALSCVDE0063E	
75	65	VALSCVDE0075E	
90	80	VALSCVDE0090E	
110	100	VALSCVDE0110E	

## BALL CHECK VALVE SERIES SSEIV (Size 16mm - 110mm)

- \*FIP SSE Full bore Springs loaded check valve
- \*A316 Stainless Steel Spring
- \*Can be installed in vertical or horizontal position
- \*Maximum working pressure: 16 bar at 20°C
- \*For further information before use, consult the Technical Brochure

## BALL CHECK VALVE SERIES SXE

- Full bore Check Valve
- Ball seat blocking system
- Maximum working pressure: 16 bar at 20°C
- Can be installed in horizontal or vertical position
- For further information before use, consult the Technical Brochure

### VALF-SXEIV

BALL CHECK VALVE



Plain socket union ends  
for solvent welding

VALF-SXEIV		CODE	EPDM	CODE	FPM
d	DN				
16	10	VALFSXEIV0016E		VALFSXEIV0016F	
20	15	VALFSXEIV0020E		VALFSXEIV0020F	
25	20	VALFSXEIV0025E		VALFSXEIV0025F	
32	25	VALFSXEIV0032E		VALFSXEIV0032F	
40	32	VALFSXEIV0040E		VALFSXEIV0040F	
50	40	VALFSXEIV0050E		VALFSXEIV0050F	
63	50	VALFSXEIV0063E		VALFSXEIV0063F	
75	65	VALFSXEIV0075E		VALFSXEIV0075F	
90	80	VALFSXEIV0090E		VALFSXEIV0090F	
110	100	VALFSXEIV0110E		VALFSXEIV0110F	

## ANGLE SEAT VALVE SERIES VV

### VALF-VVDV

ANGLE SEAT VALVE  
FOR FLANGING

Plain male spigots for  
solvent welding



VALF-VRUIV		CODE
d	DN	
16	10	VALFVRUIV0016E
20	15	VALFVRUIV0020E
25	20	VALFVRUIV0025E
32	25	VALFVRUIV0032E
40	32	VALFVRUIV0040E
50	40	VALFVRUIV0050E
63	50	VALFVRUIV0063E

### VALF-SSEIV

U PVC DOUBLE UNION  
BALL CHECK VALVE WITH S/STL SPRING

Sockets plain for solvent welding



VALF-SSEIV		CODE
d	DN	
16	10	VALFSSEIV0016E
20	15	VALFSSEIV0020E
25	20	VALFSSEIV0025E
32	25	VALFSSEIV0032E
40	32	VALFSSEIV0040E
50	40	VALFSSEIV0050E
63	50	VALFSSEIV0063E
75	65	VALFSSEIV0075E
90	80	VALFSSEIV0090E
110	100	VALFSSEIV0110E



## POLYPROPYLENE (PP-H) VALVES



The PP-H range in homopolymer Propylene includes a complete series of ball valves, butterfly valves, diaphragm valves, check valves, sediment strainers, to be used in the construction of process and service lines for the convey under pressure of industrial fluids at maximum operating temperatures of 100°C.

Technical Specifications:	
Material:	PP-H (100) Polypropylene homopolymer
Colour:	RAL 7032 - beige
Reference standards:	<b>Socket and butt welding</b> Welding according to DVS 2207-11 for coupling to pipes complying with EN ISO 15494 <b>Parallel threads</b> according to ISO 228-1, ISO 7-1 <b>Flanging</b> according to EN ISO 15494, EN 1092-1, ISO 7005-1, ANSI B16.5 cl.150
Range:	<b>Ball valves:</b> from Ø 16 mm to Ø 110 mm <b>Butterfly valves:</b> from Ø 50mm to Ø 400 mm <b>Diaphragm valves:</b> from Ø 16 mm to Ø 110 mm <b>Check valves:</b> from Ø 20 mm to Ø 110 mm <b>Sediment strainer:</b> from Ø 20 mm to Ø 110 m
Working Pressure classes:	PN10
Working temperature range:	From 0 °C to 100 °C
Seal material:	EPDM, FKM, PTFE

# FIP - PP MANUAL VALVES



## TWO WAY BALL VALVE SERIES VKD DUAL BLOCK UNION BALL VALVE (Sizes 16mm to 63mm)

- ☐ PP-H true union two way ball valve with union nuts blocking system DUAL BLOCK
- ☐ Maximum working pressure: 10 bar at 20°C
- ☐ Patented two pieces ball carrier "Seat Stop System" with seats micro-adjustment and axial pipe load blocking
- ☐ Ergonomic handle with removable insert tool for seat regulation
- ☐ Integrated upper connection for actuation according to Standard ISO 5211
- ☐ Moulded in bracket for pipes and valve supporting
- ☐ Floating ball system with double groove stem connection
- ☐ TKD - LKD version has the capability of fitting Power Quick module for actuation

### VALF-VKDIM

Double union ball valve  
with dual block union lock  
Sockets plain for fusion welding



		VALF-VKDIM			
		CODE	EPDM	CODE	FPM
d	DN				
16	10	VALFVKDIM0016E		VALFVKDIM0016F	
20	15	VALFVKDIM0020E		VALFVKDIM0020F	
25	20	VALFVKDIM0025E		VALFVKDIM0025F	
32	25	VALFVKDIM0032E		VALFVKDIM0032F	
40	32	VALFVKDIM0040E		VALFVKDIM0040F	
50	40	VALFVKDIM0050E		VALFVKDIM0050F	
63	50	VALFVKDIM0063E		VALFVKDIM0063F	

### VALF-VKDFM

Double union ball valve  
with dual block union lock  
BSP - female threaded sockets



		VALF-VKDFM			
		CODE	EPDM	CODE	FPM
BSP	DN				
1/2"	15	VALFVKDFM00500E		VALFVKDFM00500F	
3/4"	20	VALFVKDFM00750E		VALFVKDFM00750F	
1"	25	VALFVKDFM1000E		VALFVKDFM1000F	
1 1/2"	32	VALFVKDFM1250E		VALFVKDFM1250F	
1 3/4"	40	VALFVKDFM1500E		VALFVKDFM1500F	
2"	50	VALFVKDFM2000E		VALFVKDFM2000F	

### THREE WAY BALL VALVES SERIES TKD/LKD

- ☐ 3-way ball valve; radially assembled on each port
- ☐ Material options: PVC, C-PVC, PP-H, PVDF, ABS
- ☐ Maximum working pressure: 16 bar at 20°C. (10 bar PP-H only)
- ☐ Handle with positive locking and latching facility
- ☐ Rugged one-piece body incorporates moulded mounting flange according to ISO 5211 for ease of actuator fitting
- ☐ Available with "T" Port ball for mixing/blending or "L" Port ball for diverting
- ☐ 4 PTFE seats for self-centering of the ball
- ☐ TKD - LKD version has the capability of fitting Power Quick module for actuation

VKD DUAL BLOCK UNION  
BALL VALVE  
(Sizes 75mm to 110mm)

- ☐ New safe blocked union - locks union nuts in preset position
- ☐ Multi function handle - positive latching and locking in 12 positions
- ☐ Moulded mounting flange according to ISO 5211 for ease of actuator fitting
- ☐ Patented seat stop carrier for fine seat adjustment
- ☐ Standard elastometric O-rings throughout
- ☐ Ergonomic handle with removable insert tool for seat adjustment
- ☐ Maximum working pressure: 10 bar at 20°C
- ☐ Lower and upper stems reinforced with stainless steel shafts

### VALF-TKIM, TKDIM, LKIM, LKDIM

THREE WAY BALL VALVE  
T-PORT/L-PORT



PP body fusion weld socket  
union ends

		VALF-TKIM, TKDIM				VALF-LKIM, LKDIM			
		CODE	EPDM	CODE	FPM	CODE	EPDM	CODE	FPM
d	DN								
20	15	VALFTKIM0020E		VALFTKIM0020F		VALFLKIM0020E		VALFLKIM0020F	
25	20	VALFTKIM0025E		VALFTKIM0025F		VALFLKIM0025E		VALFLKIM0025F	
32	25	VALFTKIM0032E		VALFTKIM0032F		VALFLKIM0032E		VALFLKIM0032F	
40	32	VALFTKIM0040E		VALFTKIM0040F		VALFLKIM0040E		VALFLKIM0040F	
50	40	VALFTKIM0050E		VALFTKIM0050F		VALFLKIM0050E		VALFLKIM0050F	
63	50	VALFTKIM0063E		VALFTKIM0063F		VALFLKIM0063E		VALFLKIM0063F	

### VALF-VKDIM

Double union ball valve  
with dual block union lock  
Sockets plan for fusion welding



		VALF-VKDIM			
		CODE	EPDM	CODE	FPM
d	DN				
75	65	VALFVKDIM0075E		VALFVKDIM0075F	
90	80	VALFVKDIM0090E		VALFVKDIM0090F	
110	100	VALFVKDIM0110E		VALFVKDIM0110F	

### VALF-TKFM, TKDFM, LKFM, LKDFM

THREE WAY BALL VALVE  
T-PORT/L-PORT



PP body BSP female threaded  
socket ends

		VALF-TKFM, TKDFM				VALF-LKFM, LKDFM			
		CODE	EPDM	CODE	FPM	CODE	EPDM	CODE	FPM
BSP	DN								
1/2"	15	VALFTKFM00500E		VALFTKFM00500F		VALFLKFM00500E		VALFLKFM00500F	
1/4"	20	VALFTKFM00750E		VALFTKFM00750F		VALFLKFM00750E		VALFLKFM00750F	
1"	25	VALFTKFM1000E		VALFTKFM1000F		VALFLKFM1000E		VALFLKFM1000F	
1 1/2"	32	VALFTKFM1250E		VALFTKFM1250F		VALFLKFM1250E		VALFLKFM1250F	
1 3/4"	40	VALFTKFM1500E		VALFTKFM1500F		VALFLKFM1500E		VALFLKFM1500F	
2"	50	VALFTKFM2000E		VALFTKFM2000F		VALFLKFM2000E		VALFLKFM2000F	

# FIP - PP MANUAL VALVES



## SEDIMENT STRAINER SERIES RV

Maintenance can be carried out while the strainer body is installed in-line

Maximum working pressure

Consult technical documentation

Mesh available in other materials on request

No metal parts in contact with the fluid

### VALF-RVUIM

SEDIMENT STRAINER  
Plain socket union ends  
for fusion welding



VALF-RVUIM		CODE	EPDM	CODE	FPM
d	DN				
20	15	VALFRVUIM0020E		VALFRVUIM0020F	
25	20	VALFRVUIM0025E		VALFRVUIM0025F	
32	25	VALFRVUIM0032E		VALFRVUIM0032F	
40	32	VALFRVUIM0040E		VALFRVUIM0040F	
50	40	VALFRVUIM0050E		VALFRVUIM0050F	
63	50	VALFRVUIM0063E		VALFRVUIM0063F	

### VALF-RVIM

SEDIMENT STRAINER  
Plain sockets  
for fusion welding



VALF-RVIM		CODE	EPDM	CODE	FPM
d	DN				
75	65	VALFRVIM0075E		VALFRVIM0075F	
90	80	VALFRVIM0090E		VALFRVIM0090F	
110	100	VALFRVIM0100E		VALFRVIM0110F	

### VALF-VRIM

CHECK VALVE  
Plain sockets  
for fusion welding



VALF-VRIM		CODE	EPDM	CODE	FPM
d	DN				
75	65	VALFVRIM0075E		VALFVRIM0075F	
90	80	VALFVRIM0090E		VALFVRIM0090F	

## BALL CHECK VALVES SERIES SR

Ball check valve with full bore

Adjustable ball retaining system

Maximum working pressure: 10 bar at 20°C

Should be installed in vertical position only

### VALF-SRIM

BALL CHECK VALVE  
Plain male spigot end  
for fusion welding



VALF-SRIM		PTFE Ball Seat	FPM
		CODE	
d	DN		
20	15	VALFSRIM0020F	
25	20	VALFSRIM0025F	
32	25	VALFSRIM0032F	
40	32	VALFSRIM0040F	
50	40	VALFSRIM0050F	
63	50	VALFSRIM0063F	

## ANGLE PATTERN CHECK VALVE SERIES VR

Check valve manufactured completely in thermoplastic materials

Reduced pressure loss ; minimum back pressure required for drop tight sealing

Maximum working pressure

Consult technical documentation

Weighted piston permits use in high density liquids

May be installed in horizontal or vertical position

### VALF-VRUIM

CHECK VALVE  
Plain socket union ends  
for fusion welding



VALF-VRUIM		CODE	EPDM	CODE	FPM
d	DN				
20	15	VALFVRUIM0020E		VALFVRUIM0020F	
25	20	VALFVRUIM0025E		VALFVRUIM0025F	
32	25	VALFVRUIM0032E		VALFVRUIM0032F	
40	32	VALFVRUIM0040E		VALFVRUIM0040F	
50	40	VALFVRUIM0050E		VALFVRUIM0050F	
63	50	VALFVRUIM0063E		VALFVRUIM0063F	



# FIP - PP MANUAL VALVES



## PP BUTERFLY VALVES SERIES FK

	Butterfly valve series FK with PP disc
	Glass fibre reinforced PP body with centre-line bi-directional PP disc. Both disc and liner are replaceable
	Size range from d 50mm (DN 40) up to d 400 (DN400)
	Working pressure: 50-280mm PN10, 315MM PN8, 355 + 400MM PN6*
	Full flanged body to fit between flanges to all international standard drillings
	Positive locking/latching lever for 10 positions from open to closed
	Connection in accordance with ISO standard for valve actuation
	For further information before use consult Technical Brochure

### VALF-FKOM/FM

BUTTERFLY VALVE

Bare shaft for actuation

Wafer type to fit between flanges



VALF-FKOM/FM		CODE	EPDM	CODE	FPM
d	DN				
50	40	VALFFKOMFM0050E		VALFFKOMFM0050F	
63	50	VALFFKOMFM0063E		VALFFKOMFM0063F	
75	65	VALFFKOMFM0075E		VALFFKOMFM0075F	
90	80	VALFFKOMFM0090E		VALFFKOMFM0090F	
110	100	VALFFKOMFM0110E		VALFFKOMFM0110F	
140	125	VALFFKOMFM0140E		VALFFKOMFM0140F	
160	150	VALFFKOMFM0160E		VALFFKOMFM0160F	
225	200	VALFFKOMFM0225E		VALFFKOMFM0225F	
280	250	VALFFKOMFM0280E		VALFFKOMFM0280F	
315	300	VALFFKOMFM0315E		VALFFKOMFM0315F	
355	350	VALFFKOMRM0355E		VALFFKOMRM0355F	
400	400	VALFFKOMRM0400E		VALFFKOMRM0400F	

### VALF-FKOM/RM

BUTTERFLY VALVE

Gear box operated

Wafer type to fit between flanges



VALF-FKOM/RM		CODE	EPDM	CODE	FPM
d	DN				
75	65	VALFFKOMRM0075E		VALFFKOMRM0075F	
90	80	VALFFKOMRM0090E		VALFFKOMRM0090F	
110	100	VALFFKOMRM0110E		VALFFKOMRM0110F	
140	125	VALFFKOMRM0140E		VALFFKOMRM0140F	
160	150	VALFFKOMRM0160E		VALFFKOMRM0160F	
225	200	VALFFKOMRM0225E		VALFFKOMRM0225F	
280	250	VALFFKOMRM0280E		VALFFKOMRM0280F	
315	300	VALFFKOMRM0315E		VALFFKOMRM0315F	
355	350	VALFFKOMRM0355E		VALFFKOMRM0355F	
400	400	VALFFKOMRM0400E		VALFFKOMRM0400F	

### VALF-FKOM/LM

BUTTERFLY VALVE

Lever operated

Wafer type to fit between flanges



VALF-FKOM/LM		CODE	EPDM	CODE	FPM
d	DN				
50	40	VALFFKOMLM0050E		VALFFKOMLM0050F	
63	50	VALFFKOMLM0063E		VALFFKOMLM0063F	
75	65	VALFFKOMLM0075E		VALFFKOMLM0075F	
90	80	VALFFKOMLM0090E		VALFFKOMLM0090F	
110	100	VALFFKOMLM0110E		VALFFKOMLM0110F	
140	125	VALFFKOMLM0140E		VALFFKOMLM0140F	
160	150	VALFFKOMLM0160E		VALFFKOMLM0160F	
225	200	VALFFKOMLM0225E		VALFFKOMLM0225F	

NOTE : Lever operated as standard  
Gear operated on request

## PP REGULATING BALL VALVE SERIES VKR (size 20mm - 63mm)

	FIP VKR DUAL BLOCK valves combine typical full bore VDK ball valve reliability and safety along with a new accurate, repeatable flow regulation function which meets with the most extreme requirements of industrial applications
	The patented ball design provides linear flow regulation throughout its range of operation even when the valve is open just a few degrees and guarantees minimum pressure losses
	90° operating angle (like a traditional shut-off valve) which allows the use of standard quarter turn actuators
	Handle fitted with disc showing valve position on a graduated scale of 5° for accurate, easy reading
	Maximum working pressure 10 bar at 20°C

### VALF-VKRIM

PP DOUBLE UNION BALL BLOCK

REGULATING BALL VALVE

Sockets plain for fusion welding



VALF-VKRIM			
d	DN	CODE	EPDM
20	15	VALFVKRIM0020E	
25	20	VALFVKRIM0025E	
32	25	VALFVKRIM0032E	
40	32	VALFVKRIM0040E	
50	40	VALFVKRIM0050E	
63	50	VALFVKRIM0063E	

# FIP - PP MANUAL VALVES



## PP DIAPHRAGM VALVES SERIES VM

- ☐ PP Diaphragm valve with clean-line bonnet
- ☐ Maximum working pressure 10 bar at 20°C
- ☐ High Quality bonnet assembly with position indicator as standard
- ☐ Provision for supporting the valve with brass bushes inserted into the valve body
- ☐ For further information before use, consult the Technical Brochure

### VALF-

- CMFM** BSP female threaded ends
- CMIM** Socket fusion ends
- CMUIM** Sockets union ends plain
- CMDM** Spigot ends



VALF-CMFM		Diaphragm						
CMIM, CMUIM		CODE	EPDM	CODE	FPM	CODE	PTFE	CODE
CMDM								
	DN							
¾"	12	VALFCMFM0375E		VALFCMFM0375F		VALFCMFM0375P		CMFM
16	12	VALFCMIM0016E		VALFCMIM0016F		VALFCMIM0016P		CMIM
½"	15	VALFCMUIM0500E		VALFCMUIM0500F		VALFCMUIM0500P		CMUIM
20	15	VALFCMDM0020E		VALFCMDM0020F		VALFCMDM0020P		CMDM

Visual position indicator as standard  
Threaded 1/2" BSP and connections on request

### VALS-FFF

PP flanges drilled to  
DIN NP 10/16 (B 4504)



VALS-FFF		
d	DN	CODE
20	15	VALSFFF022PP
25	20	VALSFFF025PP
32	25	VALSFFF032PP
40	32	VALSFFF040PP
50	40	VALSFFF050PP
63	50	VALSFFF063PP
75	65	VALSFFF075PP
90	80	VALSFFF090PP
110	100	VALSFFF011PP

### VALF-VMUIM

Diaphragm valve  
Socket unions for fusion welding



VALF-VMUIM		Diaphragm					
		CODE	EPDM	CODE	FPM	CODE	PTFE
			DN				
20	15	VALFVMUIM0020E		VALFVMUIM0020F		VALFVMUIM0020P	
25	20	VALFVMUIM0025E		VALFVMUIM0025F		VALFVMUIM0025P	
32	25	VALFVMUIM0032E		VALFVMUIM0032F		VALFVMUIM0032P	
40	32	VALFVMUIM0040E		VALFVMUIM0040F		VALFVMUIM0040P	
50	40	VALFVMUIM0050E		VALFVMUIM0050F		VALFVMUIM0050P	
63	50	VALFVMUIM0063E		VALFVMUIM0063F		VALFVMUIM0063P	

### VALF-VMDM

Plain male spigot ends  
for fusion welding



VALF-VMDM		Diaphragm					
		CODE	EPDM	CODE	FPM	CODE	PTFE
d	DN						
20	15	VALFVMDM0020E		VALFVMDM0020F		VALFVMDM0020P	
25	20	VALFVMDM0025E		VALFVMDM0025F		VALFVMDM0025P	
32	25	VALFVMDM0032E		VALFVMDM0032F		VALFVMDM0032P	
40	32	VALFVMDM0040E		VALFVMDM0040F		VALFVMDM0040P	
50	40	VALFVMDM0050E		VALFVMDM0050F		VALFVMDM0050P	
63	50	VALFVMDM0063E		VALFVMDM0063F		VALFVMDM0063P	
75	65	VALFVMDM0075E		VALFVMDM0075F		VALFVMDM0075P	
90	80	VALFVMDM0090E		VALFVMDM0090F		VALFVMDM0090P	
110	100	VALFVMDM0110E		VALFVMDM0110F		VALFVMDM0110P	

Visual position indicator as standard

### VALS-FFF

PP flanges drilled to  
ANSI Class 150



VALS-FFF		
d	DN	CODE
1/2"	15	VALSFFFA050PP
3/4"	20	VALSFFFA075PP
1"	25	VALSFFFA100PP
1 1/4"	32	VALSFFFA125PP
1 1/2"	40	VALSFFFA150PP
2"	50	VALSFFFA200PP
2 1/2"	65	VALSFFFA250PP
3"	80	VALSFFFA300PP
4"	100	VALSFFFA400PP

Prices of screw on flanges to suit FIP  
Union ended ball valves type VKD

## Polyvinylidene Fluoride (PVDF) VALVES



The PVDF range includes a complete series of ball valves, butterfly valves, diaphragm valves and check valves to be used in the construction of process lines and service lines to convey industrial fluids in the operating temperature range from -40°C to 140°C. The entire range is produced in Solef® resins.

Technical Specifications:	
Material:	PVDF Polyvinylidene Fluoride - Compound Solef® 1008
Colour:	Translucent white
Reference standards:	<b>Socket welding</b> according to: EN ISO 10931, DVS 2207-15 for coupling to pipes complying with EN ISO 10931 <b>Flanging</b> EN ISO 10931, EN 1092-1, ISO 7005-1, ANSI B16.5 cl.150
Range:	<b>Ball valves:</b> from Ø 16 mm to Ø 110 mm <b>Butterfly valves:</b> from Ø 50mm to Ø 400 mm <b>Diaphragm valves:</b> from Ø 16 mm to Ø 110 mm <b>Check valves:</b> from Ø 20 mm to Ø 110 mm
Working Pressure classes:	PN16
Working temperature range:	From -40°C to 140°C
Seal material:	EPDM, FKM, PTFE

# FIP-PVDF MANUAL VALVES



- ☐ PVDF True Union two way ball valve with nuts blocking system DUAL BLOCK
- ☐ Maximum working pressure: 16 bar at 20°C
- ☐ Patented two piece ball carrier "Seat Stop System" with seats micro-adjustment and axial pipe load blocking
- ☐ Ergonomic handle with removable insert tool for seat regulation
- ☐ Integrated upper connection for actuation according to the standard ISO 5211
- ☐ Moulded in bracket for pipes and valve supporting
- ☐ Floating ball system with double groove stem connection
- ☐ TKD - LKD version has the capability of fitting Power Quick module for actuation

## DOUBLE UNION BALL VALVE SERIES VKD

### VALF-VKDIF

Double union Ball valve  
with dual block union lock  
Sockets plain for fusion weldin



d	DN	CODE	VALF-VKDIF
16	10	VALFVKDIF0016F	
20	15	VALFVKDIF0020F	
25	20	VALFVKDIF0025F	
32	25	VALFVKDIF0032F	
40	32	VALFVKDIF0040F	
50	40	VALFVKDIF0050F	
63	50	VALFVKDIF0063F	
75	65	VALFVKDIF0075F	
90	80	VALFVKDIF0090F	
110	100	VALFVKDIF0110F	

- ☐ PP Diaphragm valve with clean-line bonnet
- ☐ Maximum working pressue 10 bar at 20°C
- ☐ High quality bonnet assembly with position indicator as standard
- ☐ Provision for supporting the valve with brass bushes inserted into the valve body
- ☐ For further information before use, consult the Technical Brochure

## DIAPHRAGM VALVE SERIES VM

### VALF-VMDF

Plain male spigot ends for fusion welding



VALF-VMDF		Diaphragm						
		CODE		EPDM	CODE	FPM	CODE	PTFE
	DN							
20	15	VALFVMDF0020E			VALFVMDF0020F			VALFVMDF0020P
25	20	VALFVMDF0025E			VALFVMDF0025F			VALFVMDF0025P
32	25	VALFVMDF0032E			VALFVMDF0032F			VALFVMDF0032P
40	32	VALFVMDF0040E			VALFVMDF0040F			VALFVMDF0040P
50	40	VALFVMDF0050E			VALFVMDF0050F			VALFVMDF0050P
63	50	VALFVMDF0063E			VALFVMDF0063F			VALFVMDF0063P
75	65	VALFVMDF0075E			VALFVMDF0075F			VALFVMDF0075P
90	80	VALFVMDF0090E			VALFVMDF0090F			VALFVMDF0090P
110	100	VALFVMDF0110E			VALFVMDF0110F			VALFVMDF0110P
Visual position indicator as standard								

Visual position indicator as standard

## DOUBLE UNION BALL VALVE SERIES VKD

### VALF-VKDDF

Double union Ball valve  
with dual block union lock  
Plain male spigot ends for fusion welding



d	DN	CODE	VALF-VKDDF
20	15	VALFVKDDF0020F	
25	20	VALFVKDDF0025F	
32	25	VALFVKDDF0032F	
40	32	VALFVKDDF0040F	
50	40	VALFVKDDF0050F	
63	50	VALFVKDDF0063F	

## PVDF REGULATING BALL VALVE SERIES VKR (Size 20mm - 63mm)

- ☐ FIP VKR DUAL BLOCK valves combine typical full bore VDK ball valve reliability and safety along with a new accurate, repeatable flow regulation function which meets with the most extreme requirements of industrial applications
- ☐ The patented ball design provides linear flow regulation throughout its range of operation even when the valve is open just a few degrees and guarantees minimum pressure losses
- ☐ 90° operating angle (like a traditional shut-off valve) which allows the use of standard quarter turn actuators
- ☐ Handle fitted with disc showing valve position on a graduated scale of 5° for accurate, easy reading
- ☐ Maximum working pressure 10 bar at 20°C

### VALF-VKRIF

PVDF DOUBLE UNION DUAL BLOCK  
REGULATING BALL VALVE  
Sockets plain for fusion welding



d	DN	CODE	VALF-VKRIF
			FPM
20	15	VALFVKRIF0020F	
25	20	VALFVKRIF0025F	
32	25	VALFVKRIF0032F	
40	32	VALFVKRIF0040F	
50	40	VALFVKRIF0050F	
63	50	VALFVKRIF0063F	



# FIP-PVDF MANUAL VALVES



## PVDF BUTTERFLY VALVES SERIES FK

- Butterfly valve series FK with PVDF disc
- Glass fibre reinforced PP body with centre-line bi-directional PVDF disc.
- Both disc and liner are replaceable
- Size range from D 50mm (DN 40) up to D 315 (DN300)
- Maximum working pressure: 50 - 280MM PN10, 315MM PN8, 355 + 400MM PN6\*
- Full flanged body to fit between flanges to all international standard drillings
- Positive locking/latching lever for 10 positions from open to closed
- Connection in accordance with ISO standard for valve actuation
- For further information before use consult Technical Brochure

### VALF-FKOF/FM

BUTTERFLY VALVE

Bare shaft for actuation

Wafer type to fit between flanges



VALF-FKOF/FM		CODE	FPM LINER
d	DN		
50	40	VALFFKOFFM0050F	
63	50	VALFFKOFFM0063F	
75	65	VALFFKOFFM0075F	
90	80	VALFFKOFFM0090F	
110	100	VALFFKOFFM0110F	
140	125	VALFFKOFFM0140F	
160	150	VALFFKOFFM0160F	
225	200	VALFFKOFFM0225F	
280	250	VALFFKOFFM0280F	
315	300	VALFFKOFFM0315F	

### VALF-FKOF/LM

BUTTERFLY VALVE

Lever operated

Wafer type to fit between flanges



VALF-FKOF/LM		CODE	FPM LINER
d	DN		
50	40	VALFFKOFLM0050F	
63	50	VALFFKOFLM0063F	
75	65	VALFFKOFLM0075F	
90	80	VALFFKOFLM0090F	
110	100	VALFFKOFLM0110F	
140	125	VALFFKOFLM0140F	
160	150	VALFFKOFLM0160F	
225	200	VALFFKOFLM0225F	

## BALL CHECK VALVE SERIES SR

### VALF-FKOF/RM

BUTTERFLY VALVE

Gear box operated

Wafer type to fit between flanges



VALF-FKOF/RM		CODE	FPM LINER
d	DN		
75	65	VALFFKOFRM0075F	
90	80	VALFFKOFRM0090F	
110	100	VALFFKOFRM0110F	
140	125	VALFFKOFRM0140F	
160	150	VALFFKOFRM0160F	
225	200	VALFFKOFRM0225F	
280	250	VALFFKOFRM0280F	
315	300	VALFFKOFRM0315F	

### VALF-SRIF

BALL CHECK VALVE

Plain male spigot end  
for fusion welding



VALF-SRIF		CODE	VITON SEALS
d	DN		
20	15	VALFSRIF0020F	
25	20	VALFSRIF0025F	
32	25	VALFSRIF0032F	
40	32	VALFSRIF0040F	
50	40	VALFSRIF0050F	
63	50	VALFSRIF0063F	

## Thermoplastic Variable Area Flowmeters




These flowmeters operate according to the variable area principle, where a float is suspended in upward flowing media in a tapered plastic tube. The vertical position of the float within the metering tube depends on the flowrate of the media. The metering tube is graduated in suitable flow units and the reading is taken in correspondence with the top edge of the float. Versions for liquids and gases are available, providing accurate and cost-effective measurement with scales in l/h and Nm<sup>3</sup>/h

### Flow Meters


Technical Specifications:	
Construction:	<b>FS:</b> Standard variable area flowmeters <b>FC:</b> Compact variable area flowmeters
Size Range:	DN 10 ÷ 65
Operating pressure:	PVC-U, PVC-C, PP end connectors: 10 bar with water at 20 °C Carbon Steel, Stainless Steel end connectors: 15 bar with water at 20 °C
Tube material:	PVC-U, PA (Trogamid), PSU (Polysulfone)
Seal material:	EPDM supplied as standard, FKM
Float material:	Red PP, AISI 316 Stainless Steel
End connectors:	PVC-U, PVC-C, PP-H, AISI 316 SS, Carbon Steel
Temperature range:	5°C - 100°C *Subject to tube material & end connectors
Accessories:	-Magnetic Float options for Min & Max Alarm switches -Double scale & Special scale option available for specific application requirements on request

# FLOWMETERS WITH PVC BODIES




<b>FCIV</b> Solvent cement union ends			
			
Body: Transparent PVC			
Float: Stainless Steel			
O'Ring: EPDM			
d	BSP	Flow rate Range for water	CODE (PVC-U ISO Metric Socket Unions)
20	½"	5-50 L/H	FLOWFCIV020T1X0050
20	½"	10-100 L/H	FLOWFCIV020T1X0100
20	½"	15-160 L/H	FLOWFCIV020T1X0160
20	½"	20-250 L/H	FLOWFCIV020T1X0250
20	½"	35-350 L/H	FLOWFCIV020T1X0350
25	¾"	15-150 L/H	FLOWFCIV025T1X0150
25	¾"	25-250 L/H	FLOWFCIV025T1X0250
25	¾"	40-400 L/H	FLOWFCIV025T1X0400
25	¾"	50-600 L/H	FLOWFCIV025T1X0600
25	¾"	100-1100 L/H	FLOWFCIV025T1X1100
32	1"	40-400 L/H	FLOWFCIV032T1X0400
32	1"	50-600 L/H	FLOWFCIV032T1X0600
32	1"	100-1000 L/H	FLOWFCIV32T1X1000
32	1"	150-1500 L/H	FLOWFCIV032T1X1500


Size	Tube length
DN 15/20MM ½ INCH	170MM
DN 20/25MM ¾ INCH	185MM
DN 25/32MM 1 INCH	200MM

<b>FCIV</b> Solvent cement union ends			
			
Body: Transparent PVC			
Float: PP (Polypropylene ) Black			
O'Ring: EPDM			
d	BSP	Flow rate Range for water	CODE (PVC-U ISO Metric Socket Unions)
20	½"	2-25 L/H	FLOWFCIV020T1M0025
20	½"	5-50 L/H	FLOWFCIV020T1M0050
20	½"	10-100 L/H	FLOWFCIV020T1M0100
20	½"	15-150 L/H	FLOWFCIV020T1M0150
20	½"	20-200 L/H	FLOWFCIV020T1M0200
25	¾"	8-80 L/H	FLOWFCIV025T1M0080
25	¾"	15-150 L/H	FLOWFCIV025T1M0150
25	¾"	20-200 L/H	FLOWFCIV025T1M0200
25	¾"	30-350 L/H	FLOWFCIV025T1M0350
25	¾"	50-650 L/H	FLOWFCIV025T1M0650
32	1"	20-200 L/H	FLOWFCIV032T1M0200
32	1"	30-300 L/H	FLOWFCIV032T1M0300
32	1"	60-600 L/H	FLOWFCIV032T1M0600
32	1"	100-1000 L/H	FLOWFCIV032T1M1000

Size	Tube length
DN 15/20MM ½ INCH	170MM
DN 20/25MM ¾ INCH	185MM
DN 25/32MM 1 INCH	200MM

<b>FSIV</b> Solvent cement union ends			
			
Body: Transparent PVC			
Float: Stainless Steel			
O'Ring: EPDM			
d	BSP	Flow rate Range for water	CODE (PVC-U ISO Metric Socket Unions)
25	¾"	25-250 L/H	FLOWFSIV025T1X0250
25	¾"	40-400 L/H	FLOWFSIV025T1X0400
25	¾"	60-640 L/H	FLOWFSIV025T1X0640
25	¾"	100-1000 L/H	FLOWFSIV025T1X1000
32	1"	40-400 L/H	FLOWFSIV032T1X0400
32	1"	60-640 L/H	FLOWFSIV032T1X0640
32	1"	100-1000 L/H	FLOWFSIV032T1X1000
32	1"	150-1600 L/H	FLOWFSIV032T1X1600
40	1½"	150-1600 L/H	FLOWFSIV040T1X1600
40	1½"	200-2500 L/H	FLOWFSIV040T1X2500
40	1½"	400-4000 L/H	FLOWFSIV040T1X4000
50	1½"	200-2500 L/H	FLOWFSIV050T1X2500
50	1½"	400-4000 L/H	FLOWFSIV050T1X4000
50	1½"	500-5000 L/H	FLOWFSIV050T1X5000
63	2"	400-4000 L/H	FLOWFSIV063T1X4000
63	2"	600-6000 L/H	FLOWFSIV063T1X6000
63	2"	1000-10 000 L/H	FLOWFSIV063T1X0010
75	2½"	1500-15 000 L/H	FLOWFSIV075T1X0015
75	2½"	2000-20 000 L/H	FLOWFSIV075T1X0020
75	2½"	10 000-50 000 L/H	FLOWFSIV075T1X0050

Size	Tube Length
DN 20/25MM ¾ INCH TO DN 65/75MM 2½"	350mm = Stays the same for all sizes.

<b>FSIV</b> Solvent cement union ends			
			
Body: Transparent PVC			
Float: (Polypropylene ) Black			
O'Ring: EPDM			
d	BSP	Flow rate Range for water	CODE (PVC-U ISO Metric Socket Unions)
25	¾"	15150 L/H	FLOWFSIV025T1M0150
25	¾"	25-250 L/H	FLOWFSIV025T1M0250
25	¾"	45-450 L/H	FLOWFSIV025T1M0450
25	¾"	70-700 L/H	FLOWFSIV025T1M0700
32	1"	25-250 L/H	FLOWFSIV032T1M0250
32	1"	40-400 L/H	FLOWFSIV032T1M0400
32	1"	65-650 L/H	FLOWFSIV032T1M0650
32	1"	100-1000 L/H	FLOWFSIV032T1M1000
40	1½"	100-1000 L/H	FLOWFSIV040T1M1000
40	1½"	160-1600 L/H	FLOWFSIV040T1M1600
40	1½"	200-2500 L/H	FLOWFSIV040T1M2500
50	1½"	150-15000 L/H	FLOWFSIV050T1M1600
50	1½"	200-2200 L/H	FLOWFSIV050T1M2200
50	1½"	250-2500 L/H	FLOWFSIV050T1M2500
63	2"	250-2500 L/H	FLOWFSIV063T1M2500
63	2"	350-3500 L/H	FLOWFSIV063T1M3500
63	2"	500-5000 L/H	FLOWFSIV063T1M5000
75	2½"	1000-8000 L/H	FLOWFSIV075T1M8000
75	2½"	1000-10 000 L/H	FLOWFSIV075T1M0010
75	2½"	5000-25 000 L/H	FLOWFSIV075T1M0025

Size	Tube Length
DN 20/25MM ¾ INCH TO DN 65/75MM 2½"	350mm = Stays the same for all sizes.


# FLOWMETERS



Threaded End Connectors for

Flow Meter FC/FS

Code: FLOSQR2



BSP	Code
1/2"	FLOSQR20500
3/4"	FLOSQR20750
1"	FLOSQR21000
1 1/4"	FLOSQR21250
1 1/2"	FLOSQR21500
2"	FLOSQR22000
2 1/2"	FLOSQR22500

EXTRAS: PRICE ON REQUEST

CPVC END CONNECTORS  
PP END CONNECTORS  
O RINGS FPM  
SPECIAL SCALES  
FLOWMETERS FOR NAOH  
FLOWMETERS FOR HCI  
FLOWMETERS FOR AIR  
FLOATS WITH MAGNET  
STAINLESS STEEL END CONNECTIONS  
MALLEABLE IRON END CONNECTIONS

ACCESSORIES

Microswitch MAX

Microswitch MIN