

Astore Keymak

a member of the **Hudaco** group

“Driven by quality; Delivered by experience!”



CATALOGUE

CPVC

CHLORINATED POLYVINYL CHLORIDE



CPVC

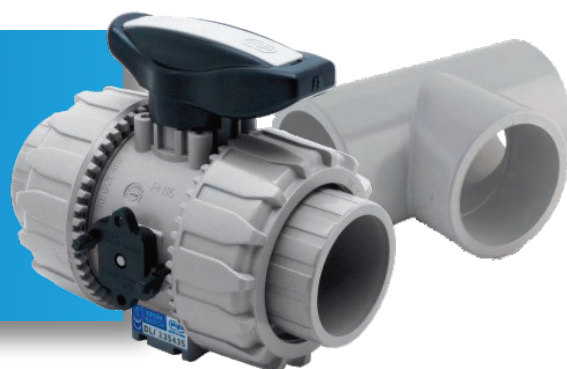


Did you know?

That in 1986, FIP introduced the first CPVC integrated system in the world for industrial applications!

CHLORINATED POLYVINYL CHLORIDE)

PVC-C 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.



High chemical resistance: the use of CORZAN™ resins, obtained from processes of post-chlorination of homopolymer PVC is a guarantee of high chemical resistance, especially to strong inorganic acids and alkaline solutions. the optimal mechanical properties remain unchanged during the transfer of hot industrial fluids. CORZAN™ resins also offer total compatibility for the transfer of treated and untreated drinking water as well as demineralised water and spa water for therapeutic and Kino therapeutic applications.

Optimal thermal stability: above all in the intermediate temperature range from 5°C to 100°C C-PVC is ideal for industrial applications, guaranteeing optimal mechanical resistance, good rigidity, very low coefficients of thermal expansion and optimal safety factors in service.

Resistance to fire: CORZAN™ C-PVC resins guarantee excellent resistance to fire, thanks to a flame onset temperature of 482°C and a high limit of oxygen index LOI = 60%. CORZAN™ C-PVC resins are classified VO, 5VB e 5VA to UI94

Lifetime: CORZAN™ C-PVC resins feature a high value in the circumferential breaking strength (Minimum Required Strength MRS = 25.0 MPa at 20°C) and ensure extended lifetime of installations, without signs of significant mechanical or physical deterioration.

Full series of fittings from Ø 3/8" to Ø 8"
(Imperial)

Full series of fittings from Ø 16mm to Ø
315mm (Metric)

**Pressure Rated
PN16 – PN4**

CPVC PIPES & FITTINGS



Pipe ISO METRIC RANGE

Pipe acc. To DIN8079/8080, RAL 215 - light grey, std length 5m
PIPES
PVC-C CORZAN



d	SS mm	kg/m	Code Pn16 SDR 13-S10
16	1,2	0,110	PVCC0016160
20	1,5	0,17	PVCC0020160
25	1,9	0,26	PVCC0025160
32	2,4	0,42	PVCC0032160
40	3,0	0,630	PVCC0040160
50	3,7	0,970	PVCC0050160
63	4,7	1,530	PVCC0063160
75	5,6	2,2000	PVCC0075160
90	6,7	2,880	PVCC0090160
110	8,2	4,310	PVCC0110160
+160	7,7	6,060	PVCC0160160

+ PN10

Fittings for Solvent Welding ISO METRIC RANGE

Double socket, socket for solvent welding



MIC

d	Code CPVC-MIC-
16	CPVCMIC0016
20	CPVCMIC0020
25	CPVCMIC0025
32	CPVCMIC0032
40	CPVCMIC0040
50	CPVCMIC0050
63	CPVCMIC0063
75	CPVCMIC0075
90	CPVCMIC0090
110	CPVCMIC0110
160	CPVCMIC0160

Fittings for Solvent Welding ISO METRIC RANGE

Elbow 90° socket for solvent welding



GIC

d	Code CPVC-GIC-
16	CPVCGIC0016
20	CPVCGIC0020
25	CPVCGIC0025
32	CPVCGIC0032
40	CPVCGIC0040
50	CPVCGIC0050
63	CPVCGIC0063
75	CPVCGIC0075
90	CPVCGIC0090
110	CPVCGIC0110
160	CPVCGIC0160

Elbow 45°, socket for solvent welding



HIC

d	Code CPVC-HIC-
20	CPVCHIC0020
25	CPVCHIC0025
32	CPVCHIC0032
40	CPVCHIC0040
50	CPVCHIC0050
63	CPVCHIC0063
75	CPVCHIC0075
90	CPVCHIC0090
110	CPVCHIC0110
160	CPVCHIC0160

Tee 90° for solvent welding



TIC

d	Code CPVC-TIC-
16	CPVTIC0016
20	CPVTIC0020
25	CPVTIC0025
32	CPVTIC0032
40	CPVTIC0040
50	CPVTIC0050
63	CPVTIC0063
75	CPVTIC0075
90	CPVTIC0090
110	CPVTIC0110
160	CPVTIC0160

Tee 90° reducing, socket for solvent welding with the offtake socket d1 reduced



TRIC

dx d1	Code CPVC-TRIC-
25x20	CPVTRIC00250020
32x20	CPVTRIC00320020
32x25	CPVTRIC00320025
40x20	CPVTRIC00400020
40x25	CPVTRIC00400025
50x25	CPVTRIC00500025
50x32	CPVTRIC00500032
63x25	CPVTRIC00630025
63x32	CPVTRIC00630032
75x25	CPVTRIC00750025
90x25	CPVTRIC00900025
110x25	CPVTRIC01100025

Fittings for Solvent Welding ISO METRIC RANGE

Serrated stub according to ISO 15493
PN10/16 for flat gasket, socket for solvent welding
QRC



d	Code CPVC-QRC-
20	CPVCQRC0020
25	CPVCQRC0025
32	CPVCQRC0032
40	CPVCQRC0040
50	CPVCQRC0050
63	CPVCQRC0063
75	CPVCQRC0075
90	CPVCQRC0090
110	CPVCQRC0110
160	CPVCQRC0160

Reducing bush spigot for solvent welding (d), socket for solvent welding reduced (d1)



DIC

dx d1	Code CPVC-DIC-
20x16	CPVCDIC00200016
25x20	CPVCDIC00250020
32x20	CPVCDIC00320020
32x25	CPVCDIC00320025
40x20	CPVCDIC00400020
40x25	CPVCDIC00400025
40x32	CPVCDIC00400032
50x32	CPVCDIC00500032
50x40	CPVCDIC00500040
63x32	CPVCDIC00630032
63x40	CPVCDIC00630040
63x50	CPVCDIC00630050
75x50	CPVCDIC00750050
75x63	CPVCDIC00750063
90x50	CPVCDIC00900050
90x63	CPVCDIC00900063
90x75	CPVCDIC00900075
110x63	CPVCDIC01100063
110x75	CPVCDIC01100075
110x90	CPVCDIC01100090
160x110	CPVCDIC01600110

End cap, socket for solvent welding



CIC

d	Code CPVC-CIC-
20	CPVCCIC0020
25	CPVCCIC0025
32	CPVCCIC0032
40	CPVCCIC0040
50	CPVCCIC0050
63	CPVCCIC0063
75	CPVCCIC0075
90	CPVCCIC0090
110	CPVCCIC0110

*NON STOCK ITEM BUT AVAILABLE
ON REQUEST

CPVC PIPES & FITTINGS



Unions for Solvent Welding ISO METRIC RANGE

Socket union, socket for solvent welding, with EPDM and FPM gasket



BIC

d	Code	
	EPDM	FPM
code	code	Code
16	CPVCBIC0016E	CPVCBIC0016F
20	CPVCBIC0020E	CPVCBIC0020F
25	CPVCBIC0025E	CPVCBIC0025F
32	CPVCBIC0032E	CPVCBIC0032F
40	CPVCBIC0040E	CPVCBIC0040F
50	CPVCBIC0050E	CPVCBIC0050F
63	CPVCBIC0063E	CPVCBIC0063F

NOTE: The socket union version can be supplied in EPDM version with FPM gasket included

Fittings for Solvent Welding ISO METRIC RANGE

Double adaptor socket female/male, one end female/male for solvent welding the other parallel threaded



KIFC

dxdxBSP	Code	
	CPVC-KIFC-	
20x16x3/8"	CPVCKIFC002000160375	
25x20x1/2"	CPVCKIFC002500200500	
32x25x3/4"	CPVCKIFC003200250750	
40x32x1"	CPVCKIFC004000321000	
50x40x1 1/4"	CPVCKIFC005000401250	
63x50x1 1/2"	CPVCKIFC006300501500	
75x63x2"	CPVCKIFC007500632000	

Double socket reinforced, one plain socket for solvent welding, the other BS parallel socket threaded with reinforcing Stainless Steel ring



MIMC

d x BSP	Code	
	CPVC-MIMC-	
16x3/8"	CPVCMIMC00160375	
20x1/2"	CPVCMIMC00200500	
25x3/4"	CPVCMIMC00250750	
32x1"	CPVCMIMC00321000	
40x1 1/4"	CPVCMIMC00401250	
50x1 1/2"	CPVCMIMC00501500	
63x2"	CPVCMIMC00632000	

Elbow 90° reinforced, one socket plain for solvent welding the other parallel threaded with reinforcing Stainless Steel Ring



GIMC

d x BSP	Code	
	CPVC-GIMC-	
16x3/8"	CPVCGIMC00160375	
20x1/2"	CPVCGIMC00200500	
25x3/4"	CPVCGIMC00250750	
32x1"	CPVCGIMC00321000	
40x1 1/4"	CPVCGIMC00401250	
50x1 1/2"	CPVCGIMC00501500	
63x2"	CPVCGIMC00632000	

Fittings for Solvent Welding ISO METRIC RANGE

Tee 90° reinforced, with two plain sockets for solvent welding, the third BS parallel socket threaded with reinforcing Stainless Steel ring



TIMC

d x BSP	Code	
	CPVC-TIMC-	
16x3/4"	CPVCTIMC00160375	
20x1/2"	CPVCTIMC00200500	
25x3/4"	CPVCTIMC00250750	
32x1"	CPVCTIMC00321000	
40x1 1/4"	CPVCTIMC00401250	
50x1 1/2"	CPVCTIMC00501500	
63x2"	CPVCTIMC00632000	

Unions for Solvent Welding ISO METRIC RANGE

Socket union, one end plain socket for solvent welding, the other BS parallel socket threaded, with EPDM gasket



BIFC

d x BSP	Code	
	CPVC-BIFC-	
16x3/8"	CPVCBIFC00160375E	
20x1/2"	CPVCBIFC00200500E	
25x3/4"	CPVCBIFC00250750E	
32x1"	CPVCBIFC00321000E	
40x1 1/4"	CPVCBIFC00401250E	
50x1 1/2"	CPVCBIFC00501500E	
63x2"	CPVCBIFC00632000E	

Unions for Solvent Welding ISO METRIC RANGE

Socket union, one PVC-C end socket plain for solvent welding the other Brass male parallel threaded, with EPDM gasket (nut in brass)



BIRCO

d x BSP	Code	
	CPVC-BIRCO-	
16x3/8"	CPVCBIRCO00160375E	
20x1/2"	CPVCBIRCO00200500E	
25x3/4"	CPVCBIRCO00250750E	
32x1"	CPVCBIRCO00321000E	
40x1 1/4"	CPVCBIRCO00401250E	
50x1 1/2"	CPVCBIRCO00501500E	
63x2"	CPVCBIRCO00632000E	

Socket union, one PVC-C end socket plain for solvent welding the other brass BS parallel socket threaded, with EPDM gasket (brass union nut)



BIFCO

d x BSP	Code	
	CPVC-BIFCO-	
16x3/4"	CPVCBIFCO00160375E	
20x1/2"	CPVCBIFCO00200500E	
25x3/4"	CPVCBIFCO00250750E	
32x1"	CPVCBIFCO00321000E	
40x1 1/4"	CPVCBIFCO00401250E	
50x1 1/2"	CPVCBIFCO00501500E	
63x2"	CPVCBIFCO00632000E	

Flanges ISO METRIC RANGE

PVC-C Baking ring DIN2501 drilled PN 10/16 for QRC stubs



ODC

d	Code	
	CPVC-ODC-	
20	CPVCODC020	
25	CPVCODC025	
32	CPVCODC032	
40	CPVCODC040	
50	CPVCODC050	
63	CPVCODC063	
75	CPVCODC075	
90	CPVCODC090	
110	CPVCODC110	

This is CPVC cement



CEMECPVC0500

CPVC
CEMENT
500ML

*NON STOCK ITEM BUT AVAILABLE ON REQUEST

CPVC VALVES



Two way ball valve VK DualBlock® DN65 - 100 series

Technical features

- > Size Range from DN10 to DN50 (3/8" to 2")
- > Pressure rate up to 16 bar (232psi) with water at 20°C (68°F)
- > Ball seats in PTFE, seals in EPDM or FPM
- > Patented DualBlock® system to avoid nuts accidentally unscrewing
- > Self compensation of thermal expansion and micro-adjustment of the PTFE ball seats
- > Easy maintenance: quick radial disassembling from the pipeline and quick substitution of the o-rings and the ball seats, without any additional tools
- > Floating ball system with double groove stem connection
- > Multifunctional handle with removal insert tool for seats regulation and block device 0 - 90° on request
- > Integrated moulded bracket for valve fastening
- > Easy actuation with PowerQuick module, even after installation nuts accidentally unscrewing

DualBlock® ball valve with metric plain socket ends for solvent welding		
VKDIC		
d	EPDM Code	FPM Code
16	0016E	0016F
20	0020E	0020F
25	0025E	0025F
32	0032E	0032F
40	0040E	0040F
50	0050E	0050F
63	0063E	0063F

Two way ball valve VK DualBlock® Dn 10 - 50 series

Technical features

- > Size Range from CN65 to DN100 (2 1/2" to 4")
- > Pressure rate up to 16 bar (232psi) with water at 20°C (68°F)
- > Ball seats in PTFE, seals in EPDM or FPM
- > Patented DualBlock® system to avoid nuts accidentally unscrewing
- > Self compensation of thermal expansion and micro-adjustment of the PTFE ball seats
- > Easy maintenance: quick radial disassembling from the pipeline and quick substitution of the o-rings and the ball seats, without any additional tool
- > Double pivot ball system with double groove stem connection
- > Multifunctional hand lever, provided with locking device and flow throttling
- > Easy actuation with upper flange ISO5211F07, even after installation

DualBlock® ball valve with metric plain socket ends for solvent weldin		
VKDIC		
d	EPDM Code	FPM Code
75	0075E	0075F
90	0090E	0090F
110	0110E	0110F

Two way ball valve VK DualBlock® Dn 10 - 50 series

Technical features

- > Size Range from DN10 to DN50 (3/8" to 2")
- > Presure rate up to 16 bar (232psi) with water at 20° (68°F)
- > Ball seats in PTFE, seals in EPDM or FPM
- > Micro adjustment of the PTFE balls seats
- > Easy maintenance: quick radial dissassembling from the pipeline and quick substiuion of the o-rings and the ball seats, without any additional tool
- > Multifunctional handle with removable insert tool for seats regulation and handle stop device very 45° with safety block system
- > T Bore and L bore ball configuration
- > Easy actuation with integrated moulded mounting pad drilled according to ISO5211 F04-F05-F07

3-way all valve with metric plain socket ends for solvent welding. T bore		
TKDIC		
d	EPDM Code	FPM Code
16	0016E	0016F
20	0020E	0020F
25	0025E	0025F
32	0032E	0032F
40	0040E	0040F
50	0050E	0050F
63	0063E	0063F

NOTE: available while stock last
TKD might be supplied as alternative

*NON STOCK ITEMS BUT AVAILABLE
ON REQUEST

3-way ball valve with metric plain socket ends for solvent welding. L bore		
LKDIC		
d	EPDM Code	FPM Code
16	0016E	0016F
20	0020E	0020F
25	0025E	0025F
32	0032E	0032F
40	0040E	0040F
50	0050E	0050F
63	0063E	0063F

NOTE: available while stock last
TKD might be supplied as alternative

CPVC VALVES



Ball check valve SR series

Technical features

- > Size range from DN15 to DN50
- > Pressure rate up to 16 bar (232psi) with water at 20°C (68°F)
- > Seals in EPDM or FPM
- > Reduced pressure drop
- > Vertical or horizontal installation

Ball check valve with metric plain socket ends for solvent welding



d	EPDM Code	FPM Code
20	0020E	0020F
25	0025E	0025F
32	0032E	0032F
40	0040E	0040F
50	0050E	0050F
63	0063E	0063F

Butterfly valve FK series PVC-C disc

Technical features

- > Size range from DN40 to DN300
- > Pressure rate up to 16 bar (232psi) up to Dn50. 10bar (145psi) DN65 -250 and 8 bar (116psi) DN300 with water at 20° (68°F)
- > Body material - PP-GR U.V. resistant, not in contact with the line fluid, face to face according to ISO 5752 and DIN 3202
- > Oval holes flange pattern with self-centering inserts, matching DIN2501, Bs 10 table D/E. ASA B16,5 class 150 JIS2212
- > PVC-C disc, interchangeable with other materials (PVC-U, PP-H, PVDF, ABS)
- > Primary liner interchangeable in EPDM, FPM (NBR on request)
- > Drilling for actuation or gear box ISO 5211 F05-F07-F10-F12-F14
- > Ergonomic handle, provided with locking lever for fine flow throttling (12stops) and anti tampering button (Lock-Unlock)
- > Fully lug version available
- > Shaft material: AISI 420 Stainless Steel as standard
AISI 316 Stainless Steel as special version (See FK Accessories)

Butterfly valve hand lever with PVC-C disc



FKOC/LM

d	EPDM Code	FPM Code
50	0050E	0050F
63	0063E	0063F
75	0075E	0075F
90	0090E	0090F
110	0110E	0110F
140	0140E	0140F
160	0160E	0160F
225	0225E	0225F

NOTE: for d75-d225 NBR primary liner available
see E2. Spare parts section.

Diaphragm valve VM series

Technical features

- > Size Range from Dn15 to Dn100 (1/2" to 4")
- > Pressure rate up to 10 bar (145psi) with water at 20°C (68°F)
- > Diaphragm in EPDM, FPM Ptfе (NBR on request)
- > Possibility of fastening the valves by two threaded inserts
- > Optical position indicator as standard

Diaphragm valve with unionised metric plain socket ends for solvent welding

VMUIC



d	EPDM Code	FPM Code	PTFE Code
20	0020E	0020F	0020P
25	0025E	0025F	0025P
32	0032E	0032F	0032P
40	0040E	0040F	0040P
50	0050E	0050F	0050P
63	0063E	0063F	0063P

*Union o-rings on FPM

Sediment strainers RV series

Technical features

- > Size Range from DN15 to DN50
- > Pressure rate up to 16 bar (232psi) with water at 20°C (68°F)
- > PVC-C body
- > Seals in EPDM or FPM
- > Easy maintenance and cleaning even with the valve installed

* NON STOCK ITEM BUT AVAILABLE
ON REQUEST

Diaphragm valve with metric spigot ends for solvent welding

VMDC



d	EPDM Code	FPM Code	PTFE Code
20	0020E	0020F	0020P
25	0025E	0025F	0025P
32	0032E	0032F	0032P
40	0040E	0040F	0040P
50	0050E	0050F	0050P
63	0063E	0063F	0063P
75	0075E	0075F	0075P
90	0090E	0090F	0090P
110	0110E	0110F	0110P

Sediment strainer with unionised metric plain socket ends for solvent welding

RVUIC



d	EPDM Code	FPM Code
20	0020E	0020F
25	0025E	0025F
32	0032E	0032F
40	0040E	0040F
50	0050E	0050F
63	0063E	0063F

Note: Standard filter screen is Polypropylene
Homopolmer (PP-H) hole pitch 1,5mm