

PVC-U BALL VALVES - UNIBLOCK SERIES

VÁLVULAS DE BOLA PVC-U - SERIE UNIBLOCK



Sizes	Solvent cement D20 - D110 (DN15-DN100) Threaded ½" - 4"	
Standards	Solvent socket - Metric, British standard, ASTM Threaded - BSP, NPT Compression - metric, IPS, CTS	EN ISO 1452, EN ISO 15493, BS 4346-1, ASTM D 2467 ISO 228-1, ASTM D 2464
Working pressure	@ 20°C (73°F) D20 - D110 (1/2" - 4"): PN 10 (150 psi)	
Materials	O-rings: EPDM	Ball seats: HDPE
Characteristics	• "Antiblock" system that avoids ball blockage. • 100% factory tested. • Low maintenance. • Fast replacement of O-Rings and ball seat without additional tools. • Excellent flow characteristics. • Easy to install. • Light weight. • Ideally suited for irrigation and swimming pools.	• Sistema "Antiblock" que evita el bloqueo de la bola. • Probadas al 100% en fábrica. • Larga vida sin mantenimiento. • Reemplazo rápido de las juntas y de la junta de asiento de la bola sin herramientas adicionales. • Excelentes características de conducción. • Fácil de instalar. • Ligera. • Especialmente indicada para riego y piscina.
Certifications / regulations	Ball valve design regulation - EN ISO 16135 NSF National Sanitation Foundation (USA) Only products bearing the NSF Mark are certified NSF 61 1½" thru 2" Socketed 1½" thru 2" Threaded ASTM F1970	

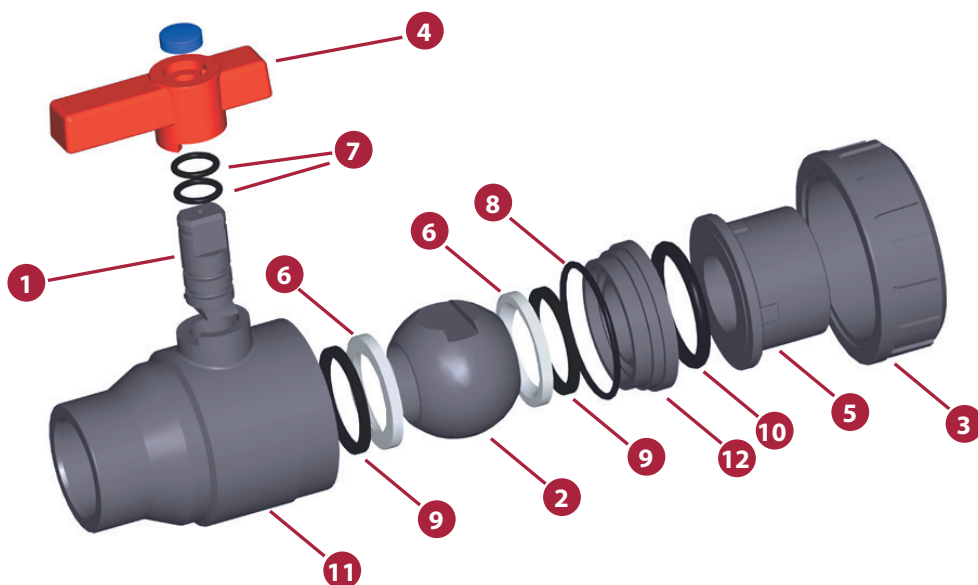
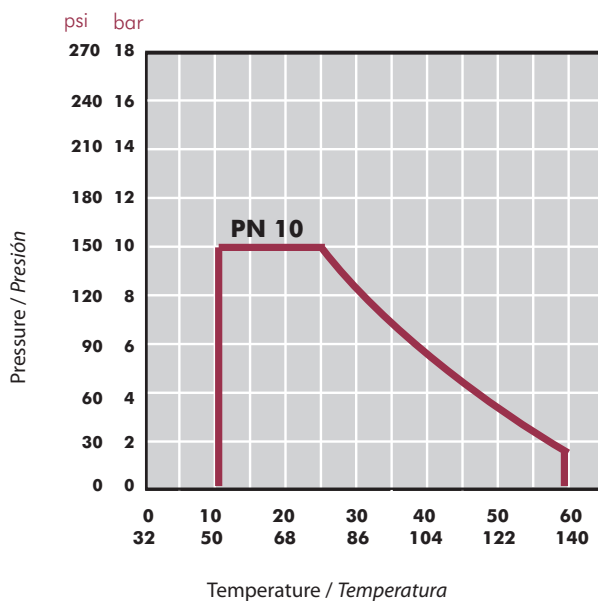


FIG.	Parts	Despiece	Material
1	Shaft	Eje	PVC-U
2	Ball	Bola	PVC-U
3	Union nut	Tuerca	PVC-U
4	Handle	Conjunto maneta	ABS
5	End connector	Manguito enlace	PVC-U
6	Ball seat	Asiento bola	HDPE
7	Shaft o-ring	Junta eje	EPDM
8	Body o-ring	Junta cuerpo	EPDM
9	Dampener seal	Junta amortiguación	EPDM
10	End connector o-ring	Junta manguito	EPDM
11	Body	Cuerpo	PVC-U
12	Seal-carrier	Portajuntas	PVC-U

PRESSURE / TEMPERATURE GRAPH
DIAGRAMA PRESIÓN / TEMPERATURA

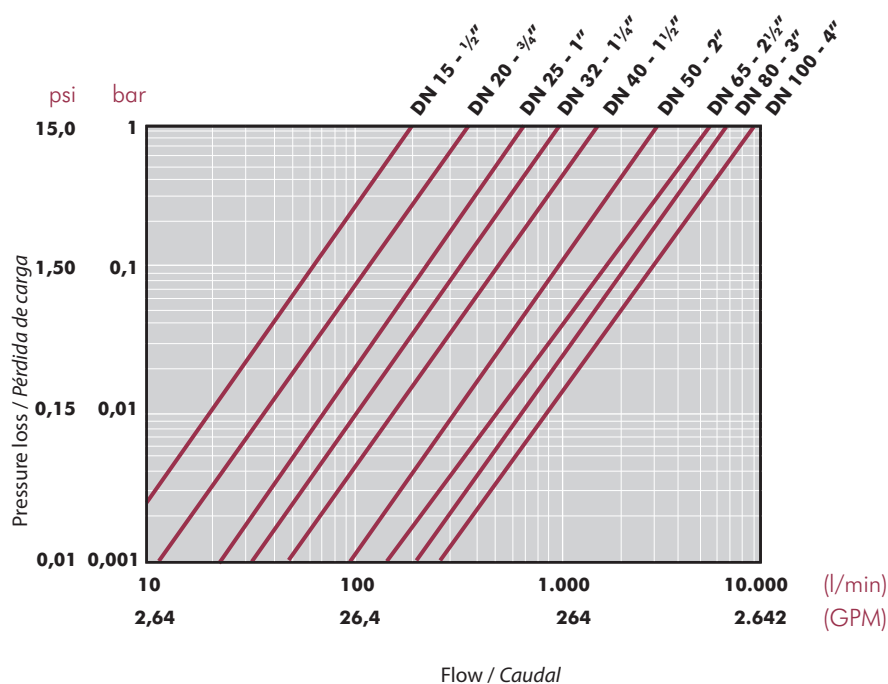


Life: 25 years
Hydrostatic maximum pressure a component may withstand in continuous service (without overpressure)

Vida útil: 25 años
Presión hidrostática máxima que un componente es capaz de soportar en servicio continuo (sin sobrepresión)

PRESSURE LOSS DIAGRAM

DIAGRAMA DE PÉRDIDAS DE CARGA



RELATIVE FLOW

FLUJO RELATIVO

D	20-1/2"	25-3/4"	32-1"	40-1 1/4"	50-1 1/2"	63-2"	75-2 1/2"	90-3"	110-4"
DN	15	20	25	32	40	50	65	80	100
Kv ₁₀₀	190	380	690	980	1.600	3.000	5.500	6.800	8900
Cv	13,3	26,6	48,3	68,6	112	210,1	385,2	476,2	623,2

$$Cv = Kv_{100} / 14,28$$

$$Kv_{100} \text{ (l/min, } \Delta p = 1 \text{ bar)}$$

$$Cv \text{ (GPM, } \Delta p = 1 \text{ psi)}$$

OPERATIONAL TORQUE CHART

TABLA DE PAR DE MANIOBRA

D	20-1/2"	25-3/4"	32-1"	40-1 1/4"	50-1 1/2"	63-2"	75-2 1/2"	90-3"	110-4"
DN	15	20	25	32	40	50	65	80	100
Nm	1	2	3,5	3,5	5	15	25	45	60
in-lbf	8,9	17,7	31	31	44,3	132,8	221,3	398,3	531

Operating torque values at rated pressure (PN) and 20 °C in as new direct from the factory condition. Installation and operating conditions (pressure and temperature) will affect these values.

Los valores de par de giro se determinan a presión nominal (PN) y a 20 °C, en condiciones de salida de fábrica. Las condiciones de instalación y operación (presión y temperatura) afectarán a estos valores.

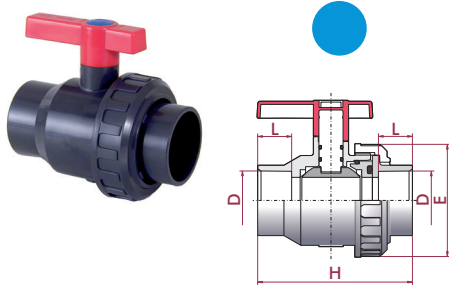
UP. 70S. SF5. MA - PVC-U UNIBLOCK BALL VALVE

"Uniblock" ball valve

- PVC-U body
- Female solvent socket
- ASTM series
- Seating joints in HDPE
- O-Rings in EPDM

Válvula de bola "Uniblock"

- Cuerpo en PVC-U
- Encolar hembra
- Serie ASTM
- Juntas asiento bola en HDPE
- Anillos tóricos en EPDM



D	DN	PN	REF.	CODE
½"	15	10	05 70 901 MA	32170
¾"	20	10	05 70 902 MA	32171
1"	25	10	05 70 903 MA	32172
1¼"	32	10	05 70 904 MA	32173
1½"	40	10	05 70 905 MA	32174
2"	50	10	05 70 906 MA	32175
2½"	65	10	05 70 907 MA	32176
3"	80	10	05 70 908 MA	32177

L	H	E
16	81	52
19	99	60
22	111	69
26	130	84
31	135	94
30	169	116
44	220	128
51	256	178

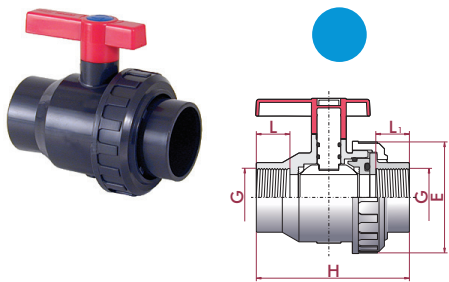
UP. 70S. FT5. MA - PVC-U UNIBLOCK BALL VALVE

"Uniblock" ball valve

- PVC-U body
- NPT female thread
- Seating joints in HDPE
- O-Rings in EPDM

Válvula de bola "Uniblock"

- Cuerpo en PVC-U
- Rosca hembra NPT
- Juntas asiento bola en HDPE
- Anillos tóricos en EPDM



G	DN	PN.	REF.	CODE
½"	15	10	05 70 801	32178
¾"	20	10	05 70 802	32179
1"	25	10	05 70 803	32180
1¼"	32	10	05 70 804	32181
1½"	40	10	05 70 805	32182
2"	50	10	05 70 806	32183
2½"	65	10	05 70 807	32184
3"	80	10	05 70 808	32185

L	H	E
16	81	52
19	99	60
19	111	69
23	130	84
31	135	94
34	169	116
44	220	128
51	256	178