

PVC-U BALL VALVES - PN 10 SERIES

VÁLVULAS DE BOLA PVC-U - SERIE PN 10



Sizes	Solvent cement D16 - D110 (DN10-DN100) Threaded 3/8" - 4"	
Standards	Solvent socket - Metric Threaded - BSP Compression - metric, IPS, CTS	EN ISO 1452, EN ISO 15493 ISO 228-1
Working pressure	@ 20°C (73°F) D16 - D110 (3/8" - 4"): PN 10 (150 psi)	
Materials	O-rings: EPDM	Ball seats: HDPE
Characteristics	<ul style="list-style-type: none"> • "Antiblock" system that avoids ball blockage. • 100% factory tested. • Minimal pressure drop. • Low operating torque. • Resistance to many inorganic chemicals. • Excellent flow characteristics. 	<ul style="list-style-type: none"> • Sistema "Antiblock" que evita el bloqueo de la bola. • Probadas al 100% en fábrica. • Mínima pérdida de carga. • Bajo par de apertura y cierre. • Resistencia a múltiples sustancias químicas inorgánicas. • Excelentes características de conducción.
Certifications / regulations	Ball valve design regulation - EN ISO 16135	

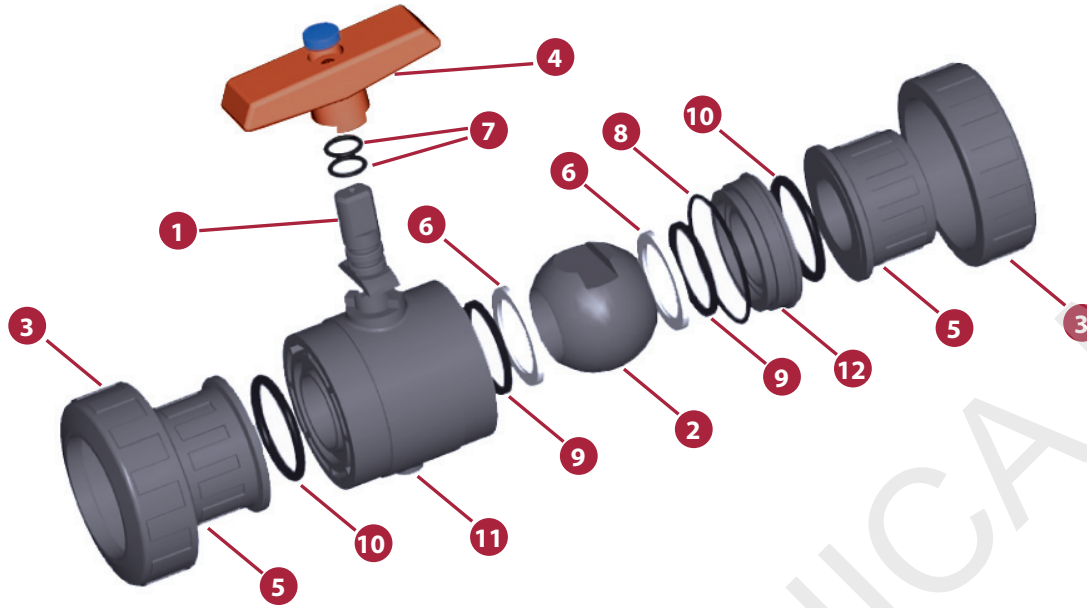
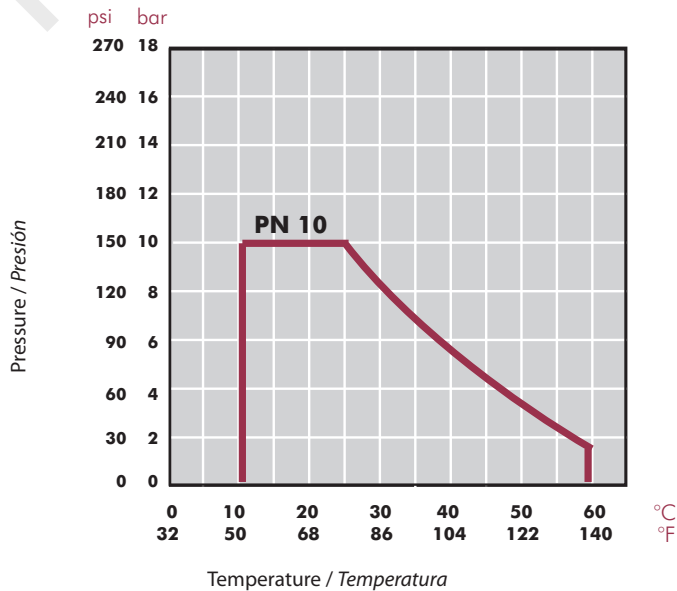


FIG.	Parts	Despiece	Material
1	Shaft	Eje	PVC-U
2	Ball	Bola	PVC-U
3	Union nut	Tuerca	PVC-U
4	Handle	Conjunto maneta	PP
5	End connector	Manguito enlace	PVC-U
6	Ball seat	Asiento bola	HDPE
7	Shaft o-ring	Junta eje	EPDM
8	Body o-ring	Junta cuerpo	EPDM
9	Dampener seal	Junta amortiguación	EPDM
10	End connector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

PRESSURE / TEMPERATURE GRAPH
DIAGRAMA PRESIÓN / TEMPERATURA

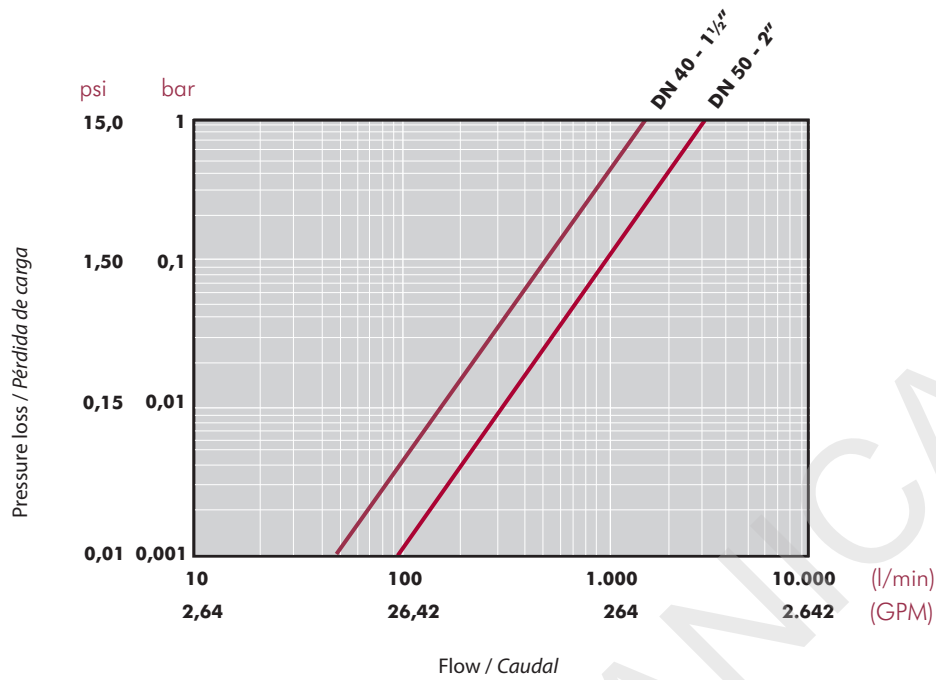


Life: 25 years
 Hydrostatic maximum pressure a component may withstand in continuous service (without overpressure)

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	50-1½"	63-2"
DN	40	50
Kv ₁₀₀	1.600	3.000
Cv	112	210,1

$Cv = Kv_{100} / 14,28$
 Kv_{100} (l/min, Δp = 1 bar)
 Cv (GPM, Δp = 1 psi)

OPERATIONAL TORQUE CHART

TABLA DE PAR DE MANIOBRA

D	50-1½"	63-2"
DN	40	50
Nm	5	15
in·lbf	44,3	132,8

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.

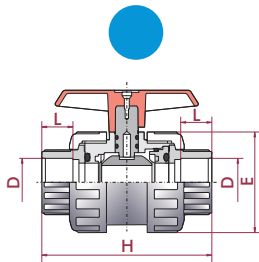
UP. 62. SF5 - PN10 BALL VALVE

"PN 10" ball valve

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

Válvula de bola "PN 10"

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



D	DN	PN	REF.	CODE
50	40	10	05 62 050	02502
63	50	10	05 62 063	02503

L	H	E
31	162	94
38	192	117

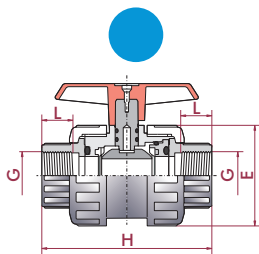
UP. 62. FT5 - PN10 BALL VALVE

"PN 10" ball valve

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

Válvula de bola "PN 10"

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



G	DN	PN	REF.	CODE
1½"	40	10	05 62 650	02504
2"	50	10	05 62 663	02505

L	H	E
31	162	94
38	192	117

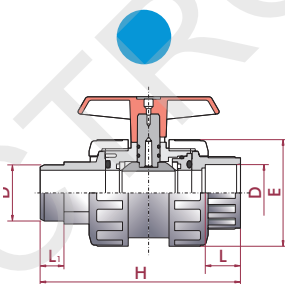
UP. 62. SMF5 - PN10 BALL VALVE

"PN 10" ball valve

- PVC-U body
- Male x female solvent socket
- Metric series
- Seating joints in HDPE
- O-Rings in EPDM

Válvula de bola "PN 10"

- Cuerpo en PVC-U
- Encolar macho x hembra
- Serie métrica
- Juntas asiento bola en HDPE
- Anillos tóricos en EPDM



D	DN	PN	REF.	CODE
50	40	10	05 62 250	02506
63	50	10	05 62 263	02507

L	L ₁	H	E
31	31	185	94
38	38	221	117

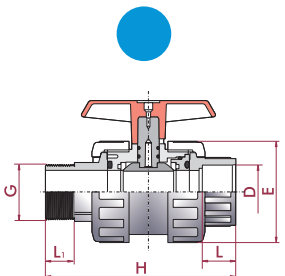
UP. 62. SMFT5 - PN10 BALL VALVE

"PN 10" ball valve

- PVC-U body
- BSP male thread x female solvent socket
- Seating joints in HDPE
- O-Rings in EPDM

Válvula de bola "PN 10"

- Cuerpo en PVC-U
- Roscar macho BSP x encolar hembra
- Juntas asiento bola en HDPE
- Anillos tóricos en EPDM



D x G	DN	PN	REF.	CODE
50 x 1½"	40	10	05 62 450	02508
63 x 2"	50	10	05 62 463	02509

L	L ₁	H	E
31	21	175	94
38	28	211	117