



Blocking Plugs

Cherne i2-Series

Technical Specification



Specifications

Cherne® i2-Series Blocking Plugs are designed for blocking flow for maintenance in sanitary and storm sewer systems. With an optimized design that offers improved safety and performance, these blocking plugs are short, lightweight, and flexible for easy installation and use in compact spaces. i2-Series blocking plugs are available in a variety of expansion ranges and made of tear-resistant, natural rubber.

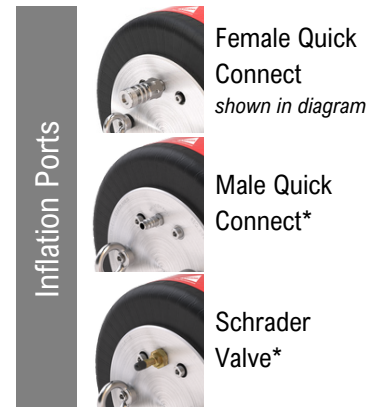
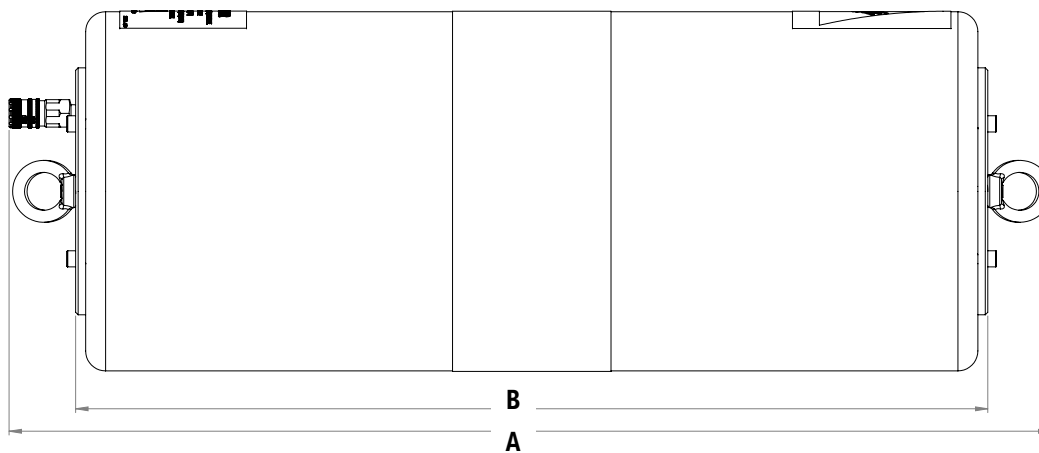
Features and Materials

Rubber Type	Natural Rubber
Thickness of Rubber	9.5 - 10mm
End Plates	Aluminum
Color	Black
Hardness (Shore A)	45-55

Performance

Max Inflation Pressure	2,5 BAR / 1,5 BAR ¹
Valve	Available with a male or female quick connect coupling or Schrader Valve
Temperature Resistance	-25°C to +80°C
Type of reinforcement	Aramid Full Body Cording

¹Inflation pressure for plugs 600/1200 & 600/1500



Product No. *	Description	Usage Range (mm)	Weight (kg)	Deflated Diameter (mm)	Eyebolt	Dim A (mm)	Dim B (mm)
410008	Blocking Plug 100-200 mm	93-210	1,3	86	M6 (1)	424.76	366
410018	Blocking Plug 150-300 mm	150-310	2,6	145	M10 (1)	543.01	481
410028	Blocking Plug 200-400 mm	200-410	5,5	190	M12 (1)	630.71	569
410038	Blocking Plug 200-500 mm	175-510	5,5	170	M10 (1)	802.63	733
410048	Blocking Plug 300-600 mm	290-610	11,9	288	M12 (4)	834.90	731
410058	Blocking Plug 400-800 mm	375-810	22,0	370	M16 (4)	1159.00	1046
410068	Blocking Plug 500-1000 mm	480-1010	32,5	472	M16 (4)	1268.32	1156
410078	Blocking Plug 600-1200 mm	580-1210	49,0	570	M16 (4)	1553.00	1440
410088	Blocking Plug 600-1500 mm	580-1510	65,0	570	M16 (4)	2312.32	2200

* Add the prefix "M" to the beginning of the part number for a Male Quick Connect Inflation Port
Add the prefix "S" to the beginning of the part number for a Schrader Valve Inflation Port



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i2-SERIES BACK PRESSURE CHART

TYPE OF PIPE PLUG	100-200	150-300	200-400	200-500	300-600	400-800	500-1000	600-1200	600-1500
REQ. PRES.	2,5 BAR	2,5 BAR	2,5 BAR	2,5 BAR	2,5 BAR	2,5 BAR	2,5 BAR	1,5 BAR	1,5 BAR
SIZE MM									
100	2,0	-	-	-	-	-	-	-	-
110	1,9	-	-	-	-	-	-	-	-
125	1,8	-	-	-	-	-	-	-	-
150	1,3	2,0	-	-	-	-	-	-	-
200	0,8	1,7	2,0	2,0	-	-	-	-	-
225	-	1,5	1,9	1,9	-	-	-	-	-
250	-	1,2	1,8	1,8	-	-	-	-	-
275	-	1,0	1,6	1,7	-	-	-	-	-
300	-	0,8	1,4	1,5	2,0	-	-	-	-
350	-	-	1,1	1,3	1,8	-	-	-	-
400	-	-	0,8	1,0	1,7	2,0	-	-	-
450	-	-	-	0,9	1,5	1,9	-	-	-
500	-	-	-	0,8	1,4	1,8	1,9	-	-
550	-	-	-	-	1,1	1,6	1,8	-	-
600	-	-	-	-	0,8	1,4	1,6	1,4	1,4
700	-	-	-	-	-	1,1	1,4	1,3	1,4
800	-	-	-	-	-	0,8	1,2	1,2	1,3
900	-	-	-	-	-	-	1,0	1,1	1,3
1000	-	-	-	-	-	-	0,8	1,0	1,2
1200	-	-	-	-	-	-	-	0,8	1,1
1400	-	-	-	-	-	-	-	-	1,0
1500	-	-	-	-	-	-	-	-	0,8

Can be used safely for the diameters specified

Suitable for use with moderate backpressure

Suitable for use with low or no backpressure

The plug is not suitable for the diameters specified

NOTE: Values are indicative in clean concrete pipes. Pipe plugs should be blocked properly under all circumstances. Maximum back pressure when performing air tests: 200 mbar, valid for all pipe diameters.

i2-Series Accessories

Product No.	Description
Poly-Lift Lines	
483208	6m (20ft) with Male Quick Disconnect Fitting & Gauge, Poly-Lift Line
483308	9m (30ft) with Male Quick Disconnect Fitting & Gauge, Poly-Lift Line
483408	12m (40ft) with Male Quick Disconnect Fitting & Gauge, Poly-Lift Line
M483208	6m (20ft) with Female Quick Disconnect Fitting & Gauge, Poly-Lift Line
M483308	9m (30ft) with Female Quick Disconnect Fitting & Gauge, Poly-Lift Line
M483408	12m (40ft) with Female Quick Disconnect Fitting & Gauge, Poly-Lift Line
261076	3m (10ft) with Schrader Valve, Poly-Lift Line
261084	6m (20ft) with Schrader Valve, Poly-Lift Line
261106	9m (30ft) with Schrader Valve, Poly-Lift Line
261114	12m (40ft) with Schrader Valve, Poly-Lift Line
Pressure Relief Valve	
440078	Pressure Relief Valve (PRV) for Plugs with 2,5 BAR Inflation Pressure
440088	Pressure Relief Valve (PRV) for Plugs with 1,5 BAR Inflation Pressure

