



Flow-Through Plugs

Cherne i2-Series

Technical Specification



Specifications

Cherne® i2-Series Flow-Through Plugs offer a full bypass, allowing for both testing and monitoring of piping systems. Ideal for installation and repair of residential or commercial piping systems, these bypass plugs can also be used for maintenance of municipal infrastructure, including sanitary and storm sewer pipe systems. With an optimized design that offers improved safety and performance, these flow-through plugs are short, lightweight and flexible for easy installation and use in compact spaces.

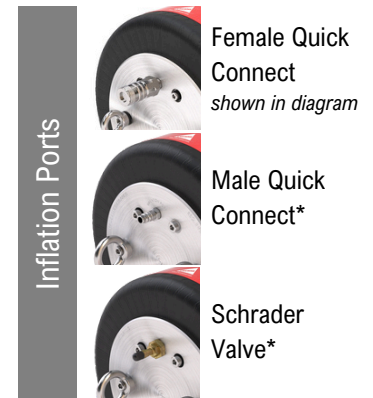
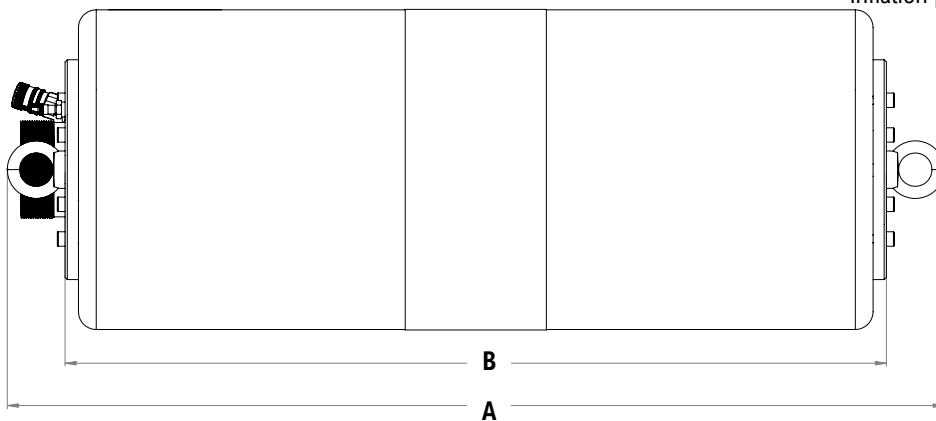
Features and Materials

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 65°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 Thread	Eyebolt Opening & Quantity	Dim A (mm)	Dim B (mm)
411008	Flow-Through 100/200 mm, w/ 1/4" Bypass	93-210	1,40	86	M6	20mm (1)	439,85	350
411018	Flow-Through 150/300 mm, w/ 1/2" Bypass	150-310	2,90	145	M6	20mm (1)	543,01	481
412028	Flow-Through 200/400 mm w/ 2" Bypass	200-410	6,70	190	M6	20mm (1)	633,00	571
412048	Flow-Through 300/600 mm, w/ 2" Bypass	290-610	12,90	288	M10	25mm (4)	850,33	731
413048	Flow-Through 300/600 mm, w/ 3" Bypass	290-610	13,60	288	M10	25mm (4)	890,00	739
413058	Flow-Through 400/800 mm w/ 3" Bypass	375-810	24,40	370	M16	34mm (4)	1208,01	1046
414068	Flow-Through 500/1000 mm w/ 4" Bypass	480-1010	36,10	472	M16	34mm (4)	1304,36	1156
414078	Flow-Through 600/1200 mm w/ 4" Bypass	580-1210	53,40	570	M16	34mm (4)	1578,38	1440
416078	Flow-Through 600/1200 mm w/ Bypass 6"	580-1210	57,40	570	M16	34mm (4)	1610,12	1440
414088	Flow-Through 600/1500 mm w/ Bypass 4"	580-1510	71,70	570	M16	34mm (4)	2354,30	2200
416088	Flow-Through 600/1500 mm w/ Bypass 6"	580-1510	78,00	570	M16	34mm (4)	2364,45	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



Flow-Through Plugs

Cherne i2-Series

Technical Specification

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	2,0	-	-	-	-	-	-	-	-
100	1,9	-	-	-	-	-	-	-	-
110	1,8	-	-	-	-	-	-	-	-
125	1,3	2,0	-	-	-	-	-	-	-
150	0,8	1,7	2,0	2,0	-	-	-	-	-
200	-	1,5	1,9	1,9	-	-	-	-	-
225	-	1,2	1,8	1,8	-	-	-	-	-
250	-	1,0	1,6	1,7	-	-	-	-	-
275	-	0,8	1,4	1,5	2,0	-	-	-	-
300	-	-	1,1	1,3	1,8	-	-	-	-
350	-	-	0,8	1,0	1,7	2,0	-	-	-
400	-	-	-	0,9	1,5	1,9	-	-	-
450	-	-	-	0,8	1,4	1,8	1,9	-	-
500	-	-	-	-	1,1	1,6	1,8	-	-
550	-	-	-	-	0,8	1,4	1,6	1,4	1,4
600	Can be used safely for the diameters specified				-	1,1	1,4	1,3	1,4
700	Suitable for use with moderate backpressure				-	0,8	1,2	1,2	1,3
800	Suitable for use with low or no backpressure				-	-	1,0	1,1	1,3
900	The plug is not suitable for the diameters specified				-	-	0,8	1,0	1,2
1000					-	-	-	0,8	1,1
1200					-	-	-	-	1,0
1400					-	-	-	-	0,8
1500					-	-	-	-	0,8

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

