






 max.							
-	Steel	1/4", 1/2", 3/4"	41 MPa	-40°C + 110°C	NBR (Nitrile)	Manual	Poppet	-	Ball locking mechanism	BSPP NPTF

Main characteristics

- Standard design for high pressure applications
- Rugged construction

Applications

- Mobile equipment
- Industrial maintenance



Technical features

Seal: **NBR** (Nitrile). 1/2" and above size feature PTFE back up ring which prevents seal washout at high flow rates

Ball locking mechanism

Solid steel barstock construction: induction-hardened for a quality coupling with maximum resistance to damage from hydraulic and mechanical shock and brinelling

Single acting sleeve: connection and disconnection are possible by pulling the sleeve

A poppet with a crimped seal assures a maximum sealing at low flow rates and prevents seal washout at high flow rates

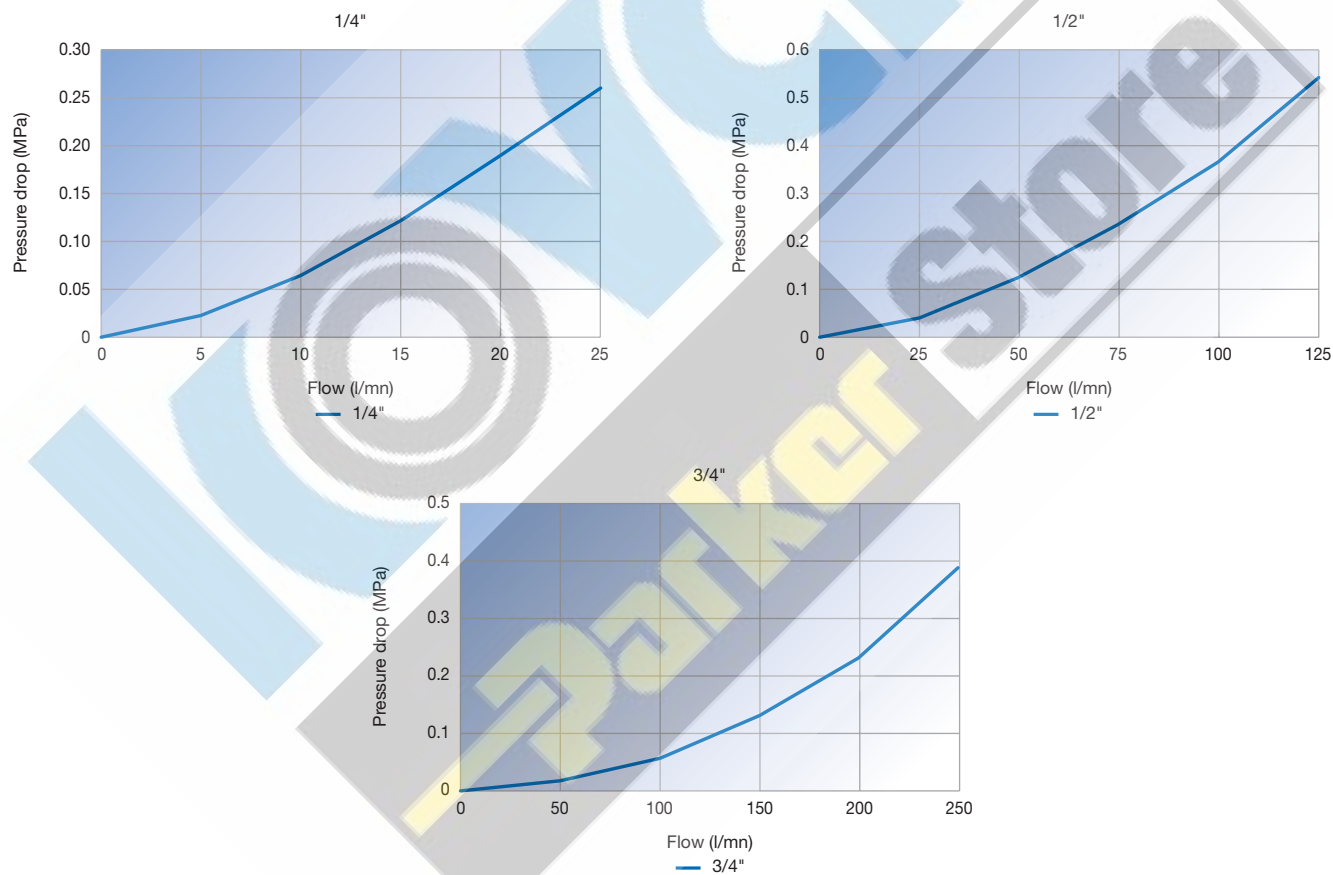
Technical performance data

Body size inch	Temperature range	Max operating pressure connected MPa	Min burst pressure connected MPa
1/4"	- 40°C	41.0	138.0
1/2"	+110°C	41.0	83.0
3/4"		31.0	69.0

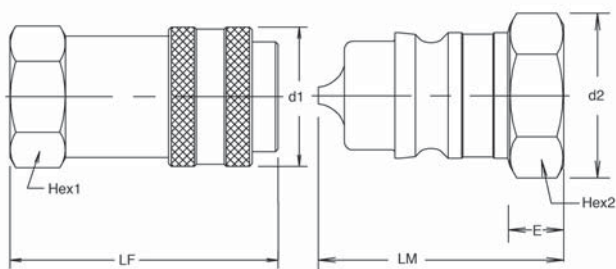
Burst pressure data: The lowest performance data uncoupled are shown in the above chart.

Pressure drop

Test with oil viscosity 43 cSt at 38°C



Dimensions and part numbers



Body size inch	Thread inch	d1 mm	Hex 1 inch	LF mm	d2 mm	Hex 2 inch	E* mm	LM mm	Part number female body	Weight gr./piece	Part number male tip	Weight gr./piece
Female BSPP thread												
1/4"	1/4	26.9	3/4"	56.9	22.1	3/4"	21.6	41.7	SM-251-4FB	128	SM-252-4FB	43
1/4"	3/8	26.9	15/16"	56.9	27.4	15/16"	25.7	41.7	SM-251-6FB	131	SM-252-6FB	63
1/2"	1/2	39.6	1 1/4"	76.2	31.2	1 1/16"	16.5	51.1	SM-501-8FB	329	SM-502-8FB	76
1/2"	3/4	39.6	1 3/8"	80.3	40.4	1 3/8"	27.9	66.8	SM-501-12FB	380	SM-502-12FB	156
3/4"	3/4	56.4	1 5/8"	98.8	43.9	1 1/2"	18.5	66.0	SM-751-12FB	853	SM-752-12FB	247
3/4"	1	56.4	1 5/8"	101.1	47.8	1 5/8"	22.1	68.3	SM-751-16FB	825	SM-752-16FB	239
Female NPTF thread												
1/4"	1/4 - 18	26.9	3/4"	53.1	22.1	3/4"	17.8	37.8	SM-251-4FP	110	SM-252-4FP	33
1/4"	3/8 - 18	26.9	15/16"	56.9	27.4	15/16"	25.7	41.7	SM-251-6FP	123	SM-252-6FP	67
1/2"	1/2 - 14	39.6	1 1/4"	76.2	31.2	1 1/16"	23.4	51.1	SM-501-8FP	319	SM-502-8FP	70
1/2"	3/4 - 14	39.6	1 3/8"	78.0	40.4	1 3/8"	20.3	58.7	SM-501-12FP	381	SM-502-12FP	151
3/4"	3/4 - 14	56.4	1 5/8"	95.8	43.9	1 1/2"	15.0	63.0	SM-751-12FP	822	SM-752-12FP	231
3/4"	1 - 11 1/2	56.4	1 5/8"	101.1	47.8	1 5/8"	22.1	68.3	SM-751-16FP	838	SM-752-16FP	278

E* = exposed length. This dimension represents the portion that is exposed when the nipple is inserted into the mating Parker coupler.

Dust caps and plugs

Body size inch	Plug part number for female body	Cap part number for male tip
Rubber		
1/4"	PR-25	CR-25
1/2"	DP-50	DC-50
Aluminium		
1/4"	P-25	C-25
1/2"	P-50	C-50
3/4"	P-75	C-75



Replacements seals

Body size inch	Plug part number for female body	Cap part number for male tip
1/4"	JT020113N0674	-
1/2"	JT020211N0674	50014-211
3/4"	JT020219N0674	50014-219

