

FD48 Series Parker Bruning SM-250 Interchange

Fluid transfer & Hydraulic application

Danfoss Hansen FD48 Series coupling is poppet style quick disconnect coupling designed to interchange with Parker Bruning SM-250 couplings where excellent high and low pressure sealing is required. The FD48 operates with pressures up to 3,000 psi.



Product Features

- Self-sealing poppet valves provide excellent high and low pressure sealing
- PUSH-PULL™ ball latch design allows quick and easy connection and disconnection of fluid lines
- Heat-treated and plated steel for wear and corrosion resistance
- Standard seal material: Buna-N
- Standard body material: High resistance carbon steel with zinc trivalent plating

Applications & Markets

- Hydraulic and fluid transfer
- Agricultural equipment

Physical Characteristics

Body Size (in)	Max. Operating Pressure (bar) (psi)	Min. Burst Pressure Connected (bar) (psi)	Vacuum Connected Only (in./Hg)	Rated Flow (lpm) (gpm)	Air Inclusion cc. max.	Fluid Loss cc.max.
1/4	210 3,000	840 12,000	28	11 3	.50	1.10

Dimensions (Female NPT, Valved)

Part Number Buna-N	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions			
							A mm (in)	B mm (in)	Hex mm (in)	
FD48-1002-04-04	Plug/Male	1/4	1/4	1/4-18	Female NPT	1	36.8 (1.45)	-	-	19.0 (.75)
FD48-1001-04-04	Socket/Female	1/4	1/4	1/4-18	Female NPT	2	51.1 (2.01)	26.9 (1.06)		20.6 (.81)

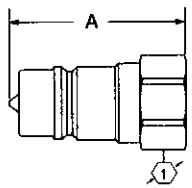


Figure 1

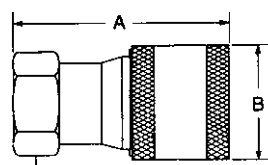
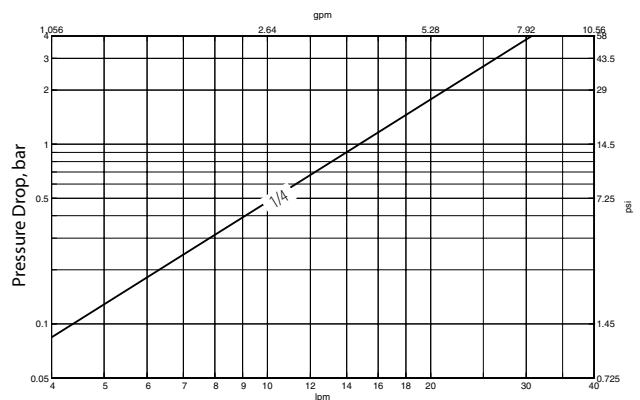


Figure 2

Flow Data

Pressure Drop Versus Flow Graph



Gallons Per Minute Flow
Test Fluid: MIL-H-5606 Oil at 100°F

Dust Cap/Plug

Part Number Buna-N	Body Size
FD48-1042-04*	1/4



Dust Cap/Plug

*Fits both plug/male and socket/female halves

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Danfoss Quick Disconnect Couplings Master Catalog