

# FD35 Series

10,000 psi Arc Latch™



The FD35 Series Arc Latch™ design has a greater surface contact area for long surface life in rugged high pressure applications. The maximum operating pressure is 10,000 psi.

## Product Features

- Safety sleeve lock prevents accidental disconnection
- Heavy duty back-up ring prevents O-ring extrusion
- Heat treated and plated steel for greater wear and corrosion resistance
- Self-sealing poppet valves provide excellent high and low pressure sealing
- Standard seal material – Viton
- Standard body material – High resistance carbon steel with zinc trivalent chromate plating

## Physical Characteristics

Body Size	Max. Operating Pressure		Min. Burst Pressure		Vacuum Connected Only	Rated Flow	Air Inclusion	Fluid Loss
	bar	(psi)	bar	(psi)	(in./Hg)	L/min (gpm)	cc. max.	cc.max.
3/8	700	(10,000)	2,800	(4,000)	28	8 (2)	0.50	0.50



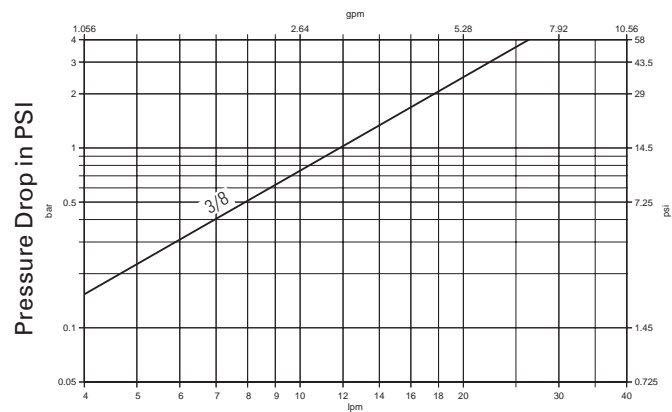
## Applications

- 10,000 psi hydraulic applications
- Hydraulic tool
- Hydraulic ram and work loading



## Flow Data

Pressure Drop Versus Flow Graph



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

# FD35 Series

10,000 psi Arc Latch™

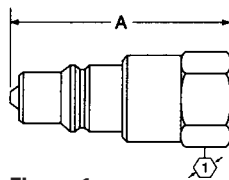


Figure 1

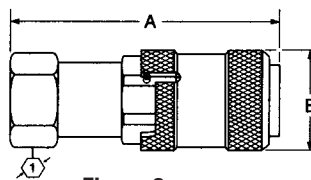


Figure 2

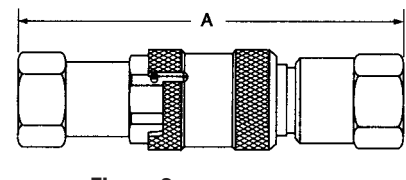


Figure 3

## Dimensions (Female NPT, Valved)

Part Number Buna-N	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions A		B		Hex ①	
							mm	(in)	mm	(in)	mm	(in)
FD35-1002-06-06	Male	3/8	3/8	3/8-18	Female NPT	1	53.8	(2.12)	-	-	23.9	(.94)
FD35-1001-06-06	Female	3/8	3/8	3/8-18	Female NPT	2	65.0	(2.56)	32.3	(1.27)	23.9	(.94)
FD35-1000-06-06	Complete	3/8	3/8	3/8-18	Female NPT	3	89.9	(3.54)	-	-	-	-

## Dimensions (Female SAE O-ring, Valved)

Part Number Buna-N	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions A		B		Hex ①	
							mm	(in)	mm	(in)	mm	(in)
FD35-1008-06-06	Male	3/8	9/16	9/16-18	Female SAE O-ring	1	53.8	(2.12)	-	-	23.9	(.94)
FD35-1007-06-06	Female	3/8	9/16	9/16-18	Female SAE O-ring	2	65.0	(2.56)	32.3	(1.27)	23.9	(.94)
FD35-1006-06-06	Complete	3/8	9/16	9/16-18	Female SAE O-ring	3	89.9	(3.54)	-	-	-	-

## Dimensions (Female SAE O-ring, 125 PSI Bleed Valve)

Part Number Viton	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions A		Hex ①	
							mm	(in)	mm	(in)
FD-1044-06-06	Male	3/8	9/16	9/16-18	Female SAE O-ring	1	53.8	(2.12)	23.9	(.94)

Note: Incorporates a special relief valve set at 125 psi, preventing disconnected pressure build-up.

## Repair Kits

Part Number Viton	Coupling Type
FF10173-06	Male
FF10174-06	Female

## Dust Cap/Plug

Part Number (Viton)	Body Size
FD35-1042-06	3/8

Note: Fits male and female halves



Dust Cap/Plug

Danfoss丹佛斯中国签约经销商：北京汉深流体技术有限公司

地址：北京朝阳区望京 SOHO-T1-C 座 2115 室 邮编：100102

手机：139 1096 2635 电子邮件：sales@cnmec.biz