

# FD69 Series

## 10,000 psi Water Blast



Eaton's FD69 Series design has a greater surface contact area for long service life in rugged high pressure and water blast applications. The maximum operating pressure is 10,000 psi with 40,000 psi minimum burst pressure.

### Product Features

- Safety sleeve lock guards against accidental disconnection
- Smooth bore "straight through" design for high flow fluid requirements
- Heavy duty back-up ring to prevent O-Ring extrusion
- Available in plated steel and stainless steel for added corrosion resistance
- Standard seal material: Buna-N
- Standard body material: High resistance carbon steel with zinc trivalent plating or stainless steel

### Physical Characteristics

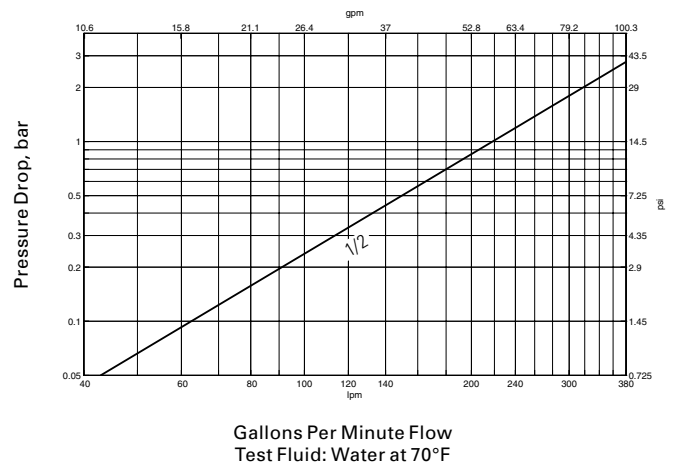
Coupling Size (in)	Max. Operating Pressure		Min. Burst Pressure Connected		Vacuum Connected Only	Rated Flow		Air Inclusion	Fluid Loss
	(bar)	(psi)	(bar)	(psi)	(in./Hg)	(lpm)	(gpm)	cc. max.	cc.max.
1/2	689	10,000	2,758	40,000	28	170	45	-	-

### Applications & Markets

- High pressure water blast
- Bridge/concrete repair
- Paint stripping
- Shipyards

### Flow Data

Pressure Drop Versus Flow Graph



FLUID TRANSFER  
AND HYDRAULIC

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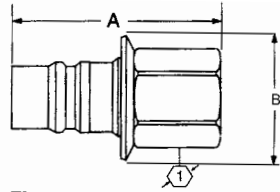


Figure 1

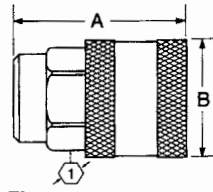


Figure 2

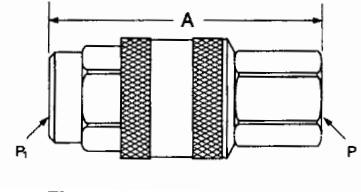


Figure 3

### Dimensions (Female NPT)

Part Number	Buna-N	FKM	EPDM	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex Ⓡ			
										A	B				
										mm	(in)	mm	(in)	mm	(in)
<b>Steel</b>															
FD69-1002-06-08	FD69-1002-06-08	FD69-1002-06-08	FD69-1002-06-08	Plug/Male*	1/2	3/8	3/8-18	Female NPT	1	47.0	(1.85)	41.7	(1.64)	25.4	(1.00)
FD69-1001-06-08	FD69-1026-06-08	FD69-1028-06-08	FD69-1028-06-08	Socket/Female	1/2	3/8	3/8-18	Female NPT	2	54.1	(2.13)	41.1	(1.62)	31.8	(1.25)
FD69-1002-08-08	FD69-1002-08-08	FD69-1002-08-08	FD69-1002-08-08	Plug/Male*	1/2	1/2	1/2-14	Female NPT	1	59.4	(2.34)	41.7	(1.64)	28.4	(1.12)
FD69-1001-08-08	FD69-1026-08-08	FD69-1028-08-08	FD69-1028-08-08	Socket/Female	1/2	1/2	1/2-14	Female NPT	2	54.1	(2.13)	41.1	(1.62)	31.8	(1.25)
<b>Stainless Steel</b>															
FD69-1012-08-08	FD69-1012-08-08	FD69-1012-08-08	FD69-1012-08-08	Plug/Male*	1/2	1/2	1/2-14	Female NPT	1	59.4	(2.34)	41.7	(1.64)	28.4	(1.12)
FD69-1011-08-08	-	-	-	Socket/Female	1/2	1/2	1/2-14	Female NPT	2	54.1	(2.13)	41.1	(1.62)	33.3	(1.31)

\*Male halves contain no seals.

Part Number	Buna-N	FKM	EPDM	Coupling Type	Body Size	Port Size	Thread (P)	(P1)	Type	Fig.	Dimensions	
											A	
											mm	(in)
<b>Steel</b>												
FD69-1000-080808	FD69-1027-080808	FD69-1029-080808	FD69-1029-080808	Complete	1/2	1/2	1/2-14	1/2-14	Female NPT	3	87.1	(3.43)
FD69-1000-080806	FD69-1027-080806	FD69-1029-080806	FD69-1029-080806	Complete	1/2	1/2 & 3/8	1/2-14	3/8-18	Female NPT	3	87.1	(3.43)
FD69-1000-060808	FD69-1027-060808	FD69-1029-060808	FD69-1029-060808	Complete	1/2	3/8 & 1/2	3/8-18	1/2-14	Female NPT	3	74.7	(2.94)
FD69-1000-060806	FD69-1027-060806	FD69-1029-060806	FD69-1029-060806	Complete	1/2	3/8	3/8-18	3/8-18	Female NPT	3	74.7	(2.94)
<b>Stainless Steel</b>												
FD69-1010-080808	-	-	-	Complete	1/2	1/2	1/2-14	1/2-14	Female NPT	3	87.1	(3.43)

### Repair Kit, Female Interface Seal

Part Number	Coupling Size
FF10166	1/2

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