

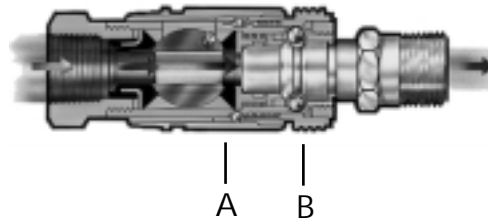
PART DESCRIPTION STANDARD MATERIAL

Socket Body	Carbon Steel
Socket Sleeve	Carbon Steel
Socket Sleeve Spring	Hard Drawn Steel Wire
Socket Ends	Carbon Steel
Socket Valve	Carbon Steel
Socket Valve Spring	Hard Drawn Steel Wire
Socket Valve Washer	Buna-N
Socket Locking Balls	Carbon Steel
Plug Body	Carbon Steel



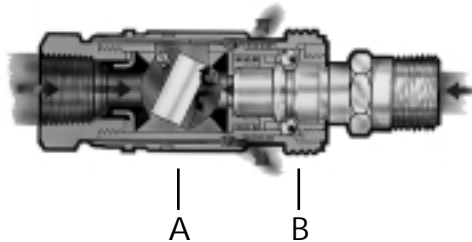
Connection - Figure 1

To connect, simply push the plug into the socket. Actuation of the outer sleeve (A) opens the air passage. As shown here, the socket and the plug are fully engaged and under pressure. The valve — a hollowed nylon ball that rotates in a socket— allows straight-through unimpeded air flow from one end of the connection to the other. When the outer sleeve (A) is nearest the plug, the valve is in the "ON" position.



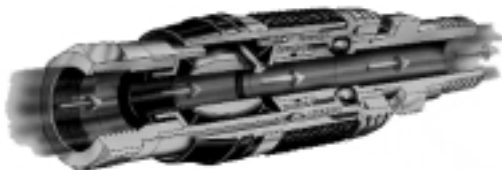
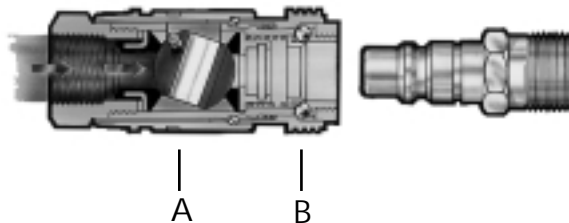
Shutoff/Disconnection - Figure 2

When the outer sleeve (A) is moved away from the plug, the valve is rotated to the "OFF" position, shutting off the air supply, and all downstream air is safely vented to atmosphere. The plug is still locked in and cannot be pulled out as long as the front sleeve (B) remains in place.



Full Disconnection - Figure 3

Pull back on sleeve B and the plug is automatically released. The action is quick and easy, completely eliminating hazardous hose whip and shock.



Built-in sleeve valve and unique straight-through air passage for maximum air flow.

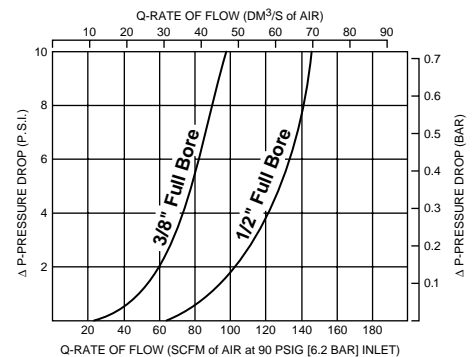
The Full-Bore Series is a premium automatic-type one-way shutoff coupler that offers a pressure-relieving feature that fully vents downstream air, making connection/disconnection fast and easy, and reducing hose whip. The unique straight-through design eliminates restrictive springs and poppet valves, allowing unimpeded air flow. Since two sleeves must be actuated in sequence to bleed off back pressure and release the connector, accidental uncoupling is virtually eliminated. The Full-Bore Series is available in 3/8" and 1/2" capacities.

Features

- Average Flow:
3/8" = 95 cfm
1/2" = 150 cfm
at 90 PSIG (6.2 BAR) inlet
10 PSIG (0.69 BAR) pressure drop
- Temperature Range:
-40°F to 200°F (-40°C to 93°C)
- Maximum Inlet Pressure:
250 PSIG (17 BAR)

Operating Pressure

Series	PSI	BAR
Full-Bore	250	17



Full-Bore Series



3/8" Full-Bore Series - Any 3/8" Socket will work with any 3/8" Plug

Male End Connections

SOCKET

Body Size	Part No. Steel	Thread Size
3/8"	23203-013	3/8" NPT
3/8"	23203-014	1/2" NPT



PLUG

Body Size	Part No. Steel	Male End Connections
3/8"	40	1/4" NPT
3/8"	43	3/8" NPT
3/8"	44	1/2" NPT



Female End Connections

SOCKET

Body Size	Part No. Steel	Thread Size
3/8"	23203-300	3/8" NPT
3/8"	23203-004	1/2" NPT



PLUG

Body Size	Part No. Steel	Female End Connections
3/8"	41	1/4" NPT
3/8"	43	3/8" NPT



Hose Stem End Connections

SOCKET

Body Size	Part No. Steel	Hose I.D.
3/8"	23203-024	3/8"
3/8"	23203-025	1/2"



PLUG

Body Size	Part No. Steel	Hose I.D.
3/8"	406	3/8"
3/8"	408	1/2"



1/2" Full-Bore Series - Any 1/2" Socket will work with any 1/2" Plug

Male End Connections

SOCKET

Body Size	Part No. Steel	Thread Size
1/2"	23204-014	1/2" NPT
1/2"	23204-015	3/4" NPT



PLUG

Body Size	Part No. Steel	Male End Connections
1/2"	52	3/8" NPT
1/2"	54	1/2" NPT



Female End Connections

SOCKET

Body Size	Part No. Steel	Thread Size
1/2"	23204-400	1/2" NPT
1/2"	23204-005	3/4" NPT



PLUG

Body Size	Part No. Steel	Female End Connections
1/2"	53	3/8" NPT
1/2"	55	1/2" NPT



Hose Stem End Connections

SOCKET

Body Size	Part No. Steel	Hose I.D.
1/2"	23204-025	1/2"
1/2"	23204-026	3/4"



PLUG

Body Size	Part No. Steel	Hose I.D.
1/2"	60	1/2"

