



20 Series Pneumatic Couplers mate with Industrial Interchange nipples, the standard male tip of the pneumatic industry. Available options include Sleeve-Lok, stainless steel locking balls and springs, and grip-ring sleeve.

Features:

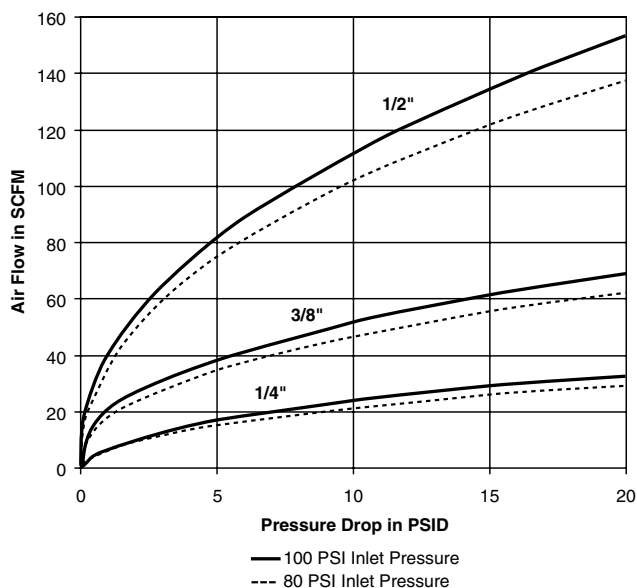
- Mates with Industrial Interchange nipples manufactured to A-A-59439 (MIL-C-4109F, ISO 6150-B) global standards
- 1/4" body size has a brass body and steel valve, 3/8" body size has all steel construction
- Tubular valve delivers high flow with minimal pressure drop
- Integral sleeve guard resists accidental disconnection
- Standard seal is Nitrile

Applications:

- Air compressors
- Pneumatic tools
- Water
- Grease
- Paint

Performance

20 Series (1/4", 3/8", 1/2" sizes)



20 Series Specifications

Body Size	1/4	3/8	1/2
Rated Pressure (psi)	300		
Temperature Range (std seals)	-40° to +250° F		
Locking Device	4 balls	8 balls	8 balls
Vacuum Data (in. Hg.)	—		
Disconnected (coupler only)	Not Recommended		
Connected	27.4		

Repair Kits

Body Size	Seal Material	Part No.
1/4	Nitrile	21K
1/4	Ethylene Propylene	21KW
1/4	Fluorocarbon	21KY
3/8	Nitrile	14K
3/8	Ethylene Propylene	14KW
3/8	Fluorocarbon	14KY
1/2	Nitrile	16K
1/2	Ethylene Propylene	16KW
1/2	Fluorocarbon	16KY
3/4	Nitrile	38K
3/4	Ethylene Propylene	38KW
3/4	Fluorocarbon	38KY



Couplers- Female Pipe Thread



Body Size	Part Number Brass	Part Number Steel	Part Number Stainless Steel (303)	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	B23A	-	-	1/8-27 NPTF	1.83	0.90	0.75	0.20
1/4	B23	-	S23	1/4-18 NPTF	1.83	0.90	0.75	0.19
1/4	B23E	-	-	3/8-18 NPTF	1.95	0.94	0.81	0.20
3/8	-	25C	-	1/4-18 NPTF	2.22	1.06	0.88	0.30
3/8	B25	25	-	3/8-18 NPTF	2.28	1.06	0.88	0.32
3/8	-	25F	-	1/2-14 NPTF	2.55	1.16	1.00	0.34
1/2	-	17E	-	3/8-18 NPTF	2.74	1.19	1.00	0.46
1/2	B17	17	-	1/2-14 NPTF	2.96	1.19	1.00	0.50
1/2	-	17G	-	3/4-14 NPTF	3.19	1.44	1.25	0.56

Couplers- Male Pipe Thread



Body Size	Part Number Brass	Part Number Steel	Part Number Stainless Steel (303)	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	B22A	-	-	1/8-27 NPTF	1.89	0.90	0.75	0.18
1/4	B22	-	S22	1/4-18 NPTF	2.05	0.90	0.75	0.18
1/4	B22E	-	-	3/8-18 NPTF	2.08	0.90	0.75	0.19
3/8	-	24C	-	1/4-18 NPTF	2.36	1.06	0.88	0.26
3/8	B24	24	-	3/8-18 NPTF	2.39	1.06	0.88	0.29
3/8	-	24F	-	1/2-14 NPTF	2.55	1.16	0.88	0.29
1/2	-	16E	-	3/8-18 NPTF	2.93	1.19	1.00	0.42
1/2	B16	16	-	1/2-14 NPTF	3.08	1.19	1.00	0.47
1/2	-	16G	-	3/4-14 NPTF	3.21	1.30	1.13	0.56

Optional Materials and Features:

(add code to part number)

Code	Description	Part Number Example
prefix B	Brass body (Couplers - 3/8" & 1/2" sizes only)	B24C
suffix N	Stainless steel springs, locking balls & brass valves (Couplers)	B24N
suffix -SL	Sleeve-Lok (Couplers)	24-SL
suffix R	Grip Ring sleeve (Couplers)	24R
suffix W	Ethylene Propylene seal material (-65° to + 400° F) (Couplers)	24W
suffix Y	Fluorocarbon seal material (-30° to + 400° F) (Couplers)	24Y

Contact QCD for availability and additional options.

To select proper seal materials, see Fluid Compatibility Chart or contact QCD.



Couplers- Standard Hose Barb



Body Size	Part No. Brass	Part No. Steel	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	B20-3B	-	1/4	2.49	0.90	0.75	0.18
1/4	B20-4B	-	5/16	2.49	0.90	0.75	0.18
1/4	B20-5B	-	3/8	2.49	0.90	0.75	0.18
3/8	-	24-5B	3/8	2.60	1.06	0.88	0.27
3/8	-	24-6B	1/2	2.60	1.06	0.88	0.28
1/2	-	16-5B	3/8	3.14	1.19	1.00	0.41
1/2	-	16-6B	1/2	3.14	1.19	1.00	0.43
1/2	-	16-7B	3/4	3.60	1.19	1.00	0.48

Couplers- Push-Lok Hose Barb*



Body Size	Part No. Brass	Part No. Steel	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	B20-3BP	-	1/4	2.32	0.90	0.75	0.18
1/4	B20-4BP	-	3/8	2.47	0.90	0.75	0.19
3/8	-	24-5BP	3/8	2.88	1.06	0.88	0.27
1/2	-	16-5BP	3/8	3.35	1.19	1.00	0.41
1/2	-	16-6BP	1/2	3.46	1.19	1.00	0.43

* Push-Lok hose barbs are designed for use with Parker Push-Lok hose and do not require clamps.

NOTE: See Table of Contents for pneumatic Industrial Interchange nipples used with 20 Series couplers.