

Flow Controls

Features

- 360° swivel eases tube alignment. Preapplied thread sealant.
- Choose threaded or instant tube fitting inlets; slotted or knob flow adjustment.
- Sturdy components include nickel-plated brass body, black anodized aluminum swivel, Buna-N seals and a stainless steel spring.
- Ready for installation on all ARO and competitive cylinders.



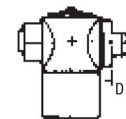
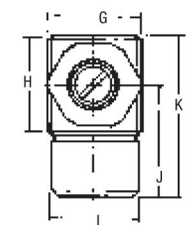
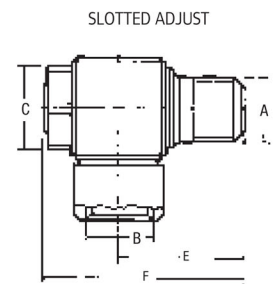
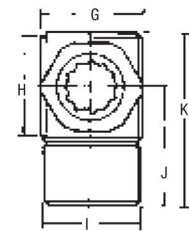
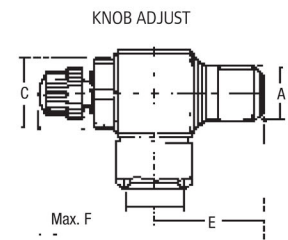
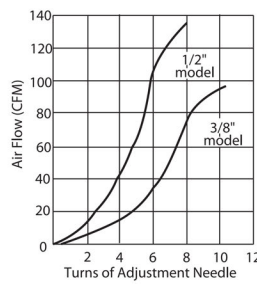
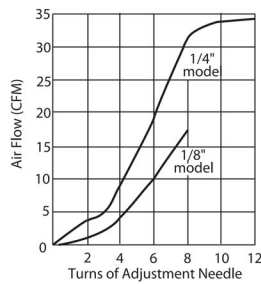
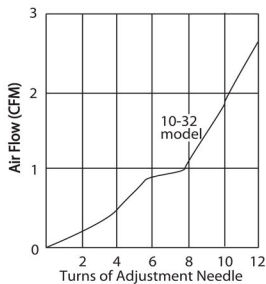
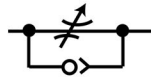
Ordering

Slotted Adjust				Knob Adjust			
119307-XXX Male x Female thd		119309-XXX Male thd x fitting		119308-XXX Male x Female thd		119310-XXX Male thd x fitting	
XXX	Male x Female	XXX	Male x Tubing	XXX	Male x Female	XXX	Male x Tubing
103	10-32x10-32	103	10-32 x 5/32"	125	1/8" x 1/8" NPT	120	1/8" x 5/32"
125	1/8" x 1/8" NPT	120	1/8" x 5/32"	250	1/4" x 1/4" NPT	125	1/8" x 1/4"
250	1/4" x 1/4" NPT	125	1/8" x 1/4"	375	3/8" x 3/8" NPT	250	1/4" x 1/4"
375	3/8" x 3/8" NPT	250	1/4" x 1/4"	500	1/2" x 1/2" NPT	255	1/4" x 3/8"
500	1/2" x 1/2" NPT	255	1/4" x 3/8"			375	3/8" x 3/8"
		375	3/8" x 3/8"				

Performance Specifications

Operating Pressure: 15-150 PSI (1-10 bar)

Operating Temperature: -32°F - 158°F



Dimensions

Dimensions given in Inches and (Millimeters)

	Port Size "A" & "B"	"C" inches (mm)	"D" inches (mm)	"E" inches (mm)	"F" inches (mm)	"G" inches (mm)	"H" inches (mm)	"I" inches (mm)	"J" inches (mm)	"K" inches (mm)
SLOTTED ADJUST	10/32	5/16 (8)	1/8 (3.2)	27/64 (11)	53/64 (21)	27/64 (11)	11/32 (9)	7/16 (11)	37/64 (14.7)	53/64 (21.1)
	1/8	1/2 (13)	0	25/32 (19.8)	1-17/64 (32)	19/32 (15)	19/32 (15)	33/64 (13)	47/64 (18.5)	1-3/64 (26.7)
	1/4	43/64 (17)	0	1-1/64 (25.8)	1-39/64 (41)	3/4 (19)	3/4 (19)	23/32 (18)	7/8 (22.5)	1-19/64 (32.9)
	3/8	7/8 (22)	0	1-9/64 (29)	1-27/32 (47)	29/32 (23)	29/32 (23)	29/32 (23)	1-1/8 (28.5)	1-39/64 (41)
	1/2	1-1/16 (27)	0	1-27/64 (36)	2-9/32 (58)	1-7/64 (28)	1-7/64 (28)	63/64 (25)	1-7/32 (31)	1-53/64 (46.3)
KNOB ADJUST	1/8	33/64 (13)	0	25/32 (19.8)	1-7/8 (47.5)	19/32 (15)	19/32 (15)	33/64 (13)	47/64 (18.5)	1-3/64 (26.7)
	1/4	43/64 (17)	0	1-1/64 (25.8)	2-9/32 (58)	3/4 (19)	3/4 (19)	45/64 (18)	57/64 (22.5)	1-19/64 (32.9)
	3/8	7/8 (22)	0	1-9/64 (29)	2-37/64 (65.5)	29/32 (23)	29/32 (23)	29/32 (23)	1-1/8 (28.5)	1-39/64 (41)
	1/2	1-1/16 (27)	0	1-27/64 (36)	3-5/32 (80)	1-7/64 (28)	1-7/64 (28)	63/64 (25)	1-7/32 (31)	1-53/64 (46.3)

Flow Controls

Features

In-Line, Composite

- Four Stage, tapered needle design provides infinite control settings.
- Composite body is tough and corrosion resistant.
- Color-coded micrometer & calibrated adjustment knob provide instant reference points for repeat settings. Press red locking ring down prevents adjustment. Tamper resistant wire supplied in package.
- Units are threaded for easy remote panel mounting. Order panel nuts below.
- Needle Valve is available with stainless steel needle & inserts. Order 104104-NS2.

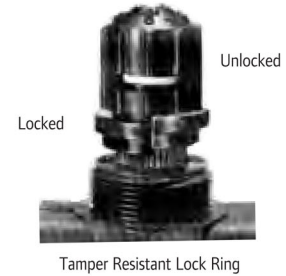
Ordering

Position	1		2	3
Example:	104104	-	X	XX
Position 1 Series	Position 2 Valve Type	Position 3 Port Size		
104104	C Check Valve F Flow Control N Needle Valve	01 1/8-27 NTF SAE Short 02 1/4-18 NTF SAE Short 03 3/8-18 NTF SAE Short 04 1/2-14 NTF SAE Short 06 3/4-14 NTF SAE Short S2* 1/4-18 NTF SAE Short Stainless Steel inserts & stem		

* Available on needle valve only.

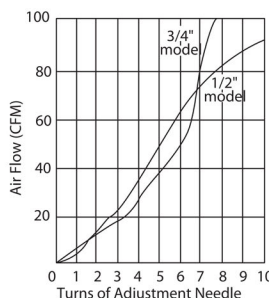
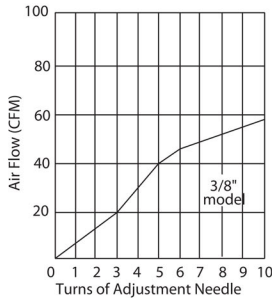
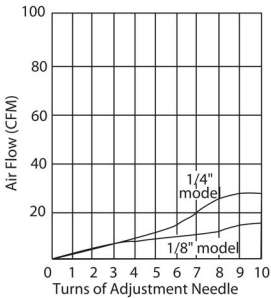
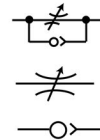


Panel Mounting Nuts	Port Size
104096	1/8" & 1/4"
104094	3/8", 1/2" & 3/4"

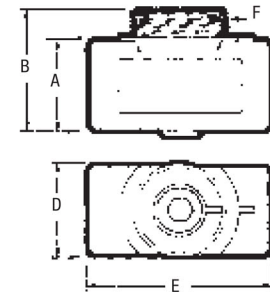


Performance Specifications

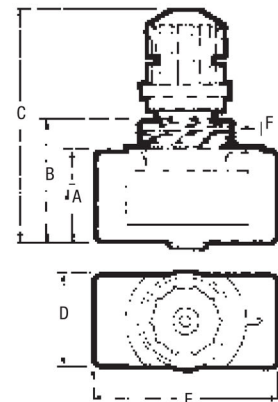
Operating Pressure: 200 PSI (13.8 bar)
Operating Temperature: 0° - 200°F (-18° - 93°C)
Flow: 100 PSI Inlet



Check Valve



Flow and Needle Valve



Dimensions

Dimensions given in Inches and (Millimeters)

Model	Port* NPT(F)	A		B		C		D	E	F
		inches (mm)	inches (mm)	Min.	Max.	inches (mm)	inches (mm)			
01	1/8-27	15/16 (23.8)	1-11/32 (34.1)	2-33/64 (63.9)	2-53/64 (71.6)	15/16 (23.8)	1-29/32 (48.4)	1-20 UNEF-2A		
02	1/4-18	15/16 (23.8)	1-11/32 (34.1)	2-33/64 (63.9)	2-53/64 (71.6)	15/16 (23.8)	1-29/32 (48.4)	1-20 UNEF-2A		
03	3/8-18	1-5/16 (33.3)	1-11/16 (42.9)	3-23/64 (85.3)	3-55/64 (97.8)	1-5/16 (33.3)	2-27/32 (72.2)	1-3/16-18 UNEF-2A		
04	1/2-14	1-5/16 (33.3)	1-11/16 (42.9)	3-23/64 (85.3)	3-55/64 (97.8)	1-5/16 (33.3)	2-27/32 (72.2)	1-3/16-18 UNEF-2A		
06	3/4-14	1-9/16 (39.7)	2 (50.8)	3-43/64 (93.3)	4-11/64 (105.7)	1-9/16 (39.7)	3 (76.2)	1-3/16-18 UNEF-2A		

Flow Controls

Features

In-Line, Brass

- CPXX-B*** Check Valve
- FXX-BK** Flow Control
- NXX-BK** Needle Valve

- High Pressure (up to 2000 PSI) flow control for either pneumatic or hydraulic applications.
- Heavy-duty brass construction provides good corrosion resistance.
- Valve bodies, needle housings, locknuts and plugs are machined from brass stock.
- Cracking Pressure
 - CP10** - 1-1/2 PSI
 - CP20** - 1-1/2 PSI



F20-BK



CP20-B



N10-BK

Ordering

In-Line, Brass

Replace the "XX" with valve number corresponding to port size desired.

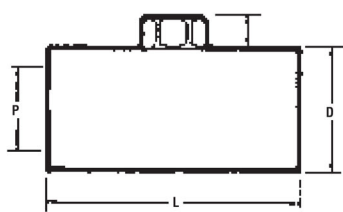
Example: F10-BK
Flow Control Valve
1/8" Ports

Model	Valve No. (XX)	NPTF Port	PD Hex	E	L	G
FXX-BK NXX-BK CPXX-B*	10	1/8	11/16	1-1/4	1-1/2	9/32
	20	1/4	7/8	1-1/4	2	5/16
	25	3/8	1-1/16	1-3/8	2-1/4	11/32
	30	1/2	1-5/16	1-3/8	2-21/32	3/8
	35	3/4	1-5/8	1-7/8	3	15/32

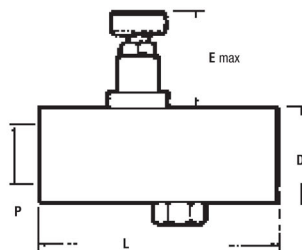
* available in 1/8" and 1/4" only

Dimensions Dimensions given in Inches and (Millimeters)

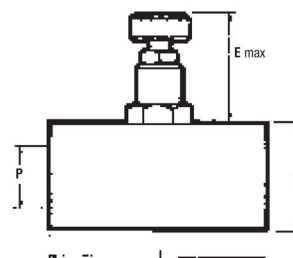
In-Line, Brass



CPXX-B



FXX-BK



NXX-BK

