

Flow Control Valve



F10-2E0xx



F70-200xx



F10-2G0xx



F90-210xx

The Flotec medical gas **Flow Control Valve** features unique 12 position, non-gravity sensitive fixed orifices. The all metal component construction Flow Control Valve features a 30-micron sintered metal inlet filter, and a second internal 20-micron rotor filter. It effectively functions as a back pressure compensated device, based on the "Perfect Gas Law". Flotec flow meters are ergonomically designed, and are available with a complete selection of inlet and outlet connections, including international fittings, and they feature Large View Windows. Flow numerals feature optional "Night Glow" Glow in the Dark Decals. They are lightweight, incorporate unibody construction, and are extraordinarily durable, like their brother regulators, they can withstand driving nails and cracking pecans. The whole Flow Control Valve is a lightweight, unibody, ergonomic, MRI conditional, all metal assembly. Available flows as low as 1/50th of a liter (20mL) thru, and including, 60 LPM in any medical gas or gas blend. Custom flows and flow ranges are available at nominal charge.

- Unique Laser Drilled Orifice Plate with 20-micron Integral Filter
- Unique Large Window with High Visibility Night Glow Numbers
- Unique Redundant detent system
- Unique Double Filtration System
- Unique Custom Laser Etching is available
- Nonmagnetic, MRI Conditional
- Non-gravity Sensitive
- Three Knob Detents Assemblies with Teflon Bushings
- Optional Resident Nipple Adapter
- Pediatric Flow Ranges Available
- Full Range of Medical Gases Available
- Optional Color Coded for Oxygen or other Medical Gases
- All Metal Construction (Anodized Aluminum or Plated Brass)
- **Manufactured exclusively in the United States of America**



FA04-2F04xx (Medical Air)



FN0-2EExx (with PTO)



F72-2Z0xx (Pediatric)



FN0-2E0P6

**1/32 thru 4 lpm Flow Control Valve
F10-2Y0D1**



**4 - 60 lpm Flow Control Valve
F10-2S0Q7**



Shown with Flotec Model BMD-2004M MRI Conditional Blender



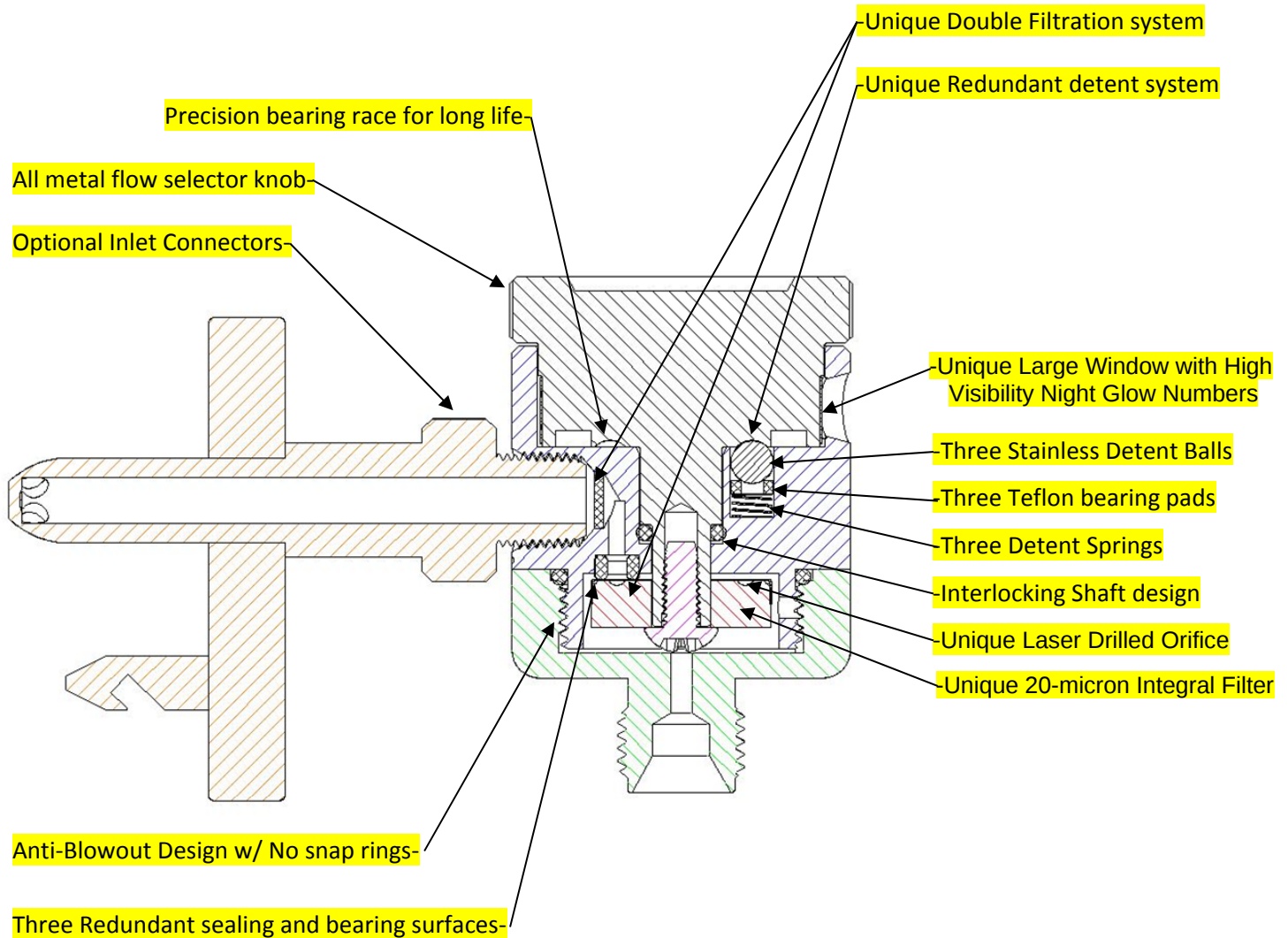
BL500-F10-320M3

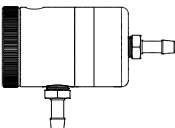
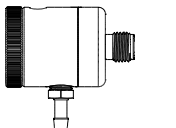
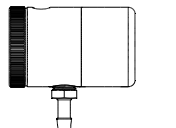
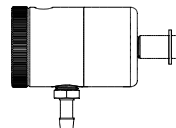
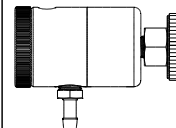
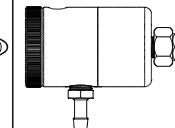
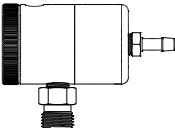
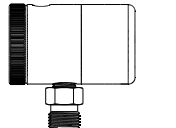
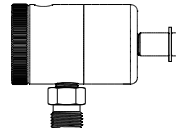
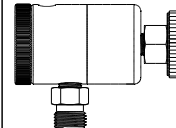
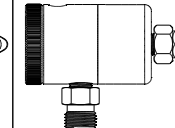
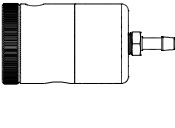
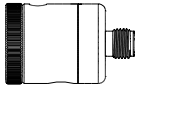
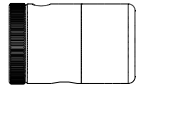
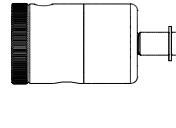
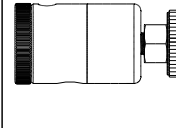
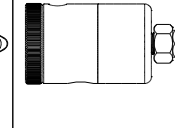
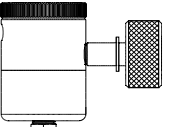
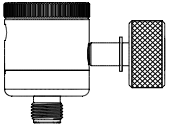
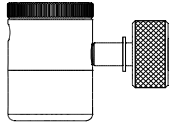
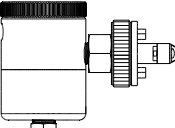
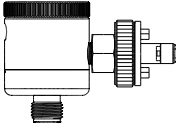
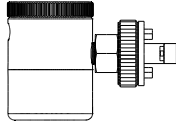
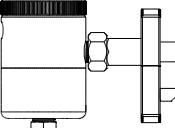
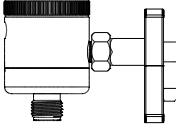
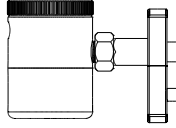
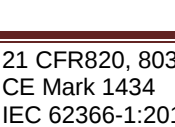
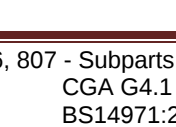
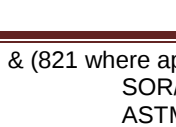


T10-BEED3P6



HBD2 HBD26 HBD24



 F00-200xx	 F10-200xx	 F20-200xx	 F50-200xx	 F70-200xx	 F90-200xx
 F00-210xx		 F20-210xx	 F50-210xx	 F70-210xx	 F90-210xx
 F00-220xx	 F10-220xx	 F20-220xx	 F50-220xx	 F70-220xx	 F90-220xx
 F00-2C0xx	 F10-2C0xx	 F20-2C0xx	Flows are designated by last two spaces of the part number, shown here by xx. Flotec Flow Control Valves can flow in either direction. Forward flow configurations are shown in Yellow and Reverse flow configurations are shown in Green. Select the code for the desired flows from that table below. Example: Part # F10-2E0P6 or F70-210P4		
 F00-2E0xx	 F10-2E0xx	 F20-2E0xx			
 F00-2E0xx	 F10-2E0xx	 F20-2E0xx			
 F00-2E0xx	 F10-2E0xx	 F20-2E0xx			



The numbers below are displayed in the chart as they appear through the window on the flowmeter. For example, the D1 range features ¼ LPM flow, however the same flow is displayed as .25 in the F1 range. The Yellow flows are forward and the Green highlighted flows are reverse direction.

A1 A4	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1	1.5
A5	0.02	0.03	0.05	0.08	0.12	0.2	0.3	0.5	0.75	1	3
B1	0.025	0.04	0.06	0.09	0.15	0.25	0.4	0.6	0.9	1.5	2
D1 D2	1/32	1/16	1/8	1/4	1/2	3/4	1	1 1/2	2	3	4
D3	0.03	0.06	0.12	0.25	0.50	0.75	1.0	1.5	2	3	4
D4	0.06	0.12	0.25	0.5	0.75	1	1.5	2	2.5	3	4
E1	0.03	0.06	0.12	0.25	0.5	1	1.5	2	2.5	3	4
F1	0.12	0.25	0.5	0.75	1	1.5	2	3	4	5	6
F3	0.50	0.75	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0
F4	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	6
H1	0.5	1	1.5	2	2.5	3	4	5	6	7	8
H2	1	2	3	4	5	5.5	6	6.5	7	7.5	8
H3	.5	1	1.5	2	2.5	3	3.5	4	4.5	5	6
H4	8	-	-	-	-	-	-	-	-	-	-
J1	0.5	1	1.5	2	2.5	3	4	5	6	8	10
L4	-	6	-	12	-	-	-	-	-	-	-
M1 M3	0.5	1	1.5	2	3	4	5	6	8	10	15
M5 M7	0.5	1	2	3	4	5	6	8	10	12	15
M4 M6	1/32	1/16	1/8	1/4	1/2	3/4	1	1 1/2	2	6	15
M8 MB	1/4	1/2	1	1 1/2	2	3	4	6	8	12	15
M9	0.06	0.12	0.25	0.50	1	2	3	5	8	10	15
MA	4	5	6	7	8	10	11	12	13	14	15
MC	A	B	C	D	E	F	G	H	I	J	K
MD	8	15	-	-	-	-	-	-	-	-	-
MX	FLOW	CPR	-	-	-	-	-	-	-	-	-
P1 P3	0.25	0.5	1	2	3	4	6	8	10	15	25
P2	1/4	1/2	1	2	3	4	6	8	10	15	25
P4 P6	1	2	3	4	6	8	10	12	15	20	25
P5 PB	1	2	3	4	5	6	8	10	12	15	25
P7 P8	1/2	1	1 1/2	2	3	4	6	8	10	15	25
PC PD	1/2	2	4	6	7	6	8	10	15	20	25
PE	1/4	1/2	1	2	4	6	8	10	15	20	25
PL	3	4	5	6	7	8	10	12	15	20	25
Q1	0.25	0.5	1	2	4	6	8	10	12	20	30
Q7	4	6	8	10	12	15	20	25	30	35	40
S1	0.5	1	2	3	4	5	6	8	10	25	60
T1	1	2	3	4	5	6	10	15	25	40	60
T2	0.25	0.5	1	2	3	4	6	8	10	25	60
T3	0.25	0.5	0.75	1	2	6	8	10	15	40	60

A2	25 mL	50 mL	75 mL	100 mL	125 mL	150 mL	175 mL	200 mL	250 mL	500 mL	1 L
A6	25 CC	50 CC	100 CC	150 CC	200 CC	250 CC	500 CC	1 L	1.5 L	2 L	3 L
C4	20 mL	50 mL	100 mL	150 mL	200 mL	250 mL	500 mL	1 L	1.5 L	2 L	3 L
D7 D8	30 mL	60 mL	125 mL	250 mL	500 mL	750 mL	1 L	1.5 L	2 L	3 L	4 L

Oxygen Flow Control Valves by Inlet Connector



To add a DISS power takeoff to any O2 flow meter below, substitute the letter "E"
where indicated Example: Part # F10-320H3 becomes Part # F10-32EH3



To add a Resident Nipple Adapter (HBD2) any O2 flow meter below, substitute the letter "N" where indicated Example: Part # F10-320H3 becomes Part # FN0-32EH3

Description	1/32 – 4 LPM	1 -25 LPM	10 – 40 LPM	1/4 – 60 LPM
DISS Hex Nut w/ Power Take off w/ HBD2 w/ Power Take off & HBD2	F10-270D1 F10-27ED1 FN0-270D1 FN0-27ED1	F10-270P6 F10-27EP6 FN0-270P6 FN0-27EP6	F10-270Q5 F10-27EQ5 FN0-270Q5 FN0-27EQ5	F10-270T2 F10-27ET2 FN0-270T2 FN0-27ET2
DISS Hand Tight w/ Power Take off w/ HBD2 w/ Power Take off & HBD2	F10-2C0D1 F10-2CED1 FN0-2C0D1 FN0-2CED1	F10-2C0P6 F10-2CEP6 FN0-2C0P6 FN0-2CEP6	F10-2C0Q5 F10-2CEQ5 FN0-2C0Q5 FN0-2CEQ5	F10-2C0T2 F10-2CET2 FN0-2C0T2 FN0-2CET2
Ohmeda w/ Power Take off w/ HBD2 w/ Power Take off & HBD2	F10-2E0D1 F10-2EED1 FN0-2E0D1 FN0-2EED1	F10-2E0P6 F10-2EEP6 FN0-2E0P6 FN0-2EEP6	F10-2E0Q5 F10-2EEQ5 FN0-2E0Q5 FN0-2EEQ5	F10-2E0T2 F10-2EET2 FN0-2E0T2 FN0-2EET2
Chemetron w/ Power Take off w/ HBD2 w/ Power Take off & HBD2	F10-2G0D1 F10-2GED1 FN0-2G0D1 FN0-2GED1	F10-2G0P6 F10-2GEP6 FN0-2G0P6 FN0-2GEP6	F10-2G0Q5 F10-2GEQ5 FN0-2G0Q5 FN0-2GEQ5	F10-2G0T2 F10-2GET2 FN0-2G0T2 FN0-2GET2
Puritan w/ Power Take off w/ HBD2 w/ Power Take off & HBD2	F10-2P0D1 F10-2PED1 FN0-2P0D1 FN0-2PED1	F10-2P0P6 F10-2PEP6 FN0-2P0P6 FN0-2PEP6	F10-2P0Q5 F10-2PEQ5 FN0-2P0Q5 FN0-2PEQ5	F10-2P0T2 F10-2PET2 FN0-2P0T2 FN0-2PET2
Schrader w/ Power Take off w/ HBD2 w/ Power Take off & HBD2	F10-B10D1 F10-B1ED1 FN0-B10D1 FN0-B1ED1	F10-B10P6 F10-B1EP6 FN0-B10P6 FN0-B1EP6	F10-B10Q5 F10-B1EQ5 FN0-B10Q5 FN0-B1EQ5	F10-B10T2 F10-B1ET2 FN0-B10T2 FN0-B1ET2
Oxyquip w/ Power Take off w/ HBD2 w/ Power Take off & HBD2	F10-2Q0D1 F10-2QED1 FN0-2Q0D1 FN0-2QED1	F10-2Q0P6 F10-2QEP6 FN0-2Q0P6 FN0-2QEP6	F10-2Q0Q5 F10-2QEQ5 FN0-2Q0Q5 FN0-2QEQ5	F10-2Q0T2 F10-2QET2 FN0-2Q0T2 FN0-2QET2
Medstar w/ Power Take off w/ HBD2 w/ Power Take off & HBD2	F10-B20D1 F10-B2ED1 FN0-B20D1 FN0-B2ED1	F10-B20P6 F10-B2EP6 FN0-B20P6 FN0-B2EP6	F10-B20Q5 F10-B2EQ5 FN0-B20Q5 FN0-B2EQ5	F10-B20T2 F10-B2ET2 FN0-B20T2 FN0-B2ET2

Medical Air Flow Control Valves by Inlet Connector

DISS-1160 Outlet



To add a DISS Power Takeoff to any Air flow meter below, substitute to letter "G" Where Indicated
Example: Cat. # FA04-3M04H3 becomes Cat. # FA04-3MG4H3



Description	1/32 – 4 LPM	1 -25 LPM	10 – 40 LPM	1/4 – 60 LPM
No inlet adapter 1/8" FNPT w/ Power Take off	FA04-2M04D1 FA04-2MG4D1	FA04-2M04P6 FA04-2MG4P6	FA04-3M04Q5 FA04-3MG4Q5	FA04-3M04T2 FA04-3MG4T2
DISS Hex Nut w/ Power Take off	FA04-B804D1 FA04-B8G4D1	FA04-B804P6 FA04-B8G4P6	FA04-B804Q5 FA04-B8G4Q5	FA04-B804T2 FA04-B8G4T2
Female DISS w/ Power Take off	FA04-2L04D1 FA04-2LG4D1	FA04-2L04P6 FA04-2LG4P6	FA04-2L04Q5 FA04-2LG4Q5	FA04-2L04T2 FA04-2LG4T2
Ohmeda w/ Power Take off	FA04-2D04D1 FA04-2DG4D1	FA04-2D04P6 FA04-2DG4P6	FA04-2D04Q5 FA04-2DG4Q5	FA04-2D04T2 FA04-2DG4T2
Chemetron w/ Power Take off	FA04-2F04D1 FA04-2FG4D1	FA04-2F04P6 FA04-2FG4P6	FA04-2F04Q5 FA04-2FG4Q5	FA04-2F04T2 FA04-2FG4T2
Puritan w/ Power Take off	FA04-B304D1 FA04-B3G4D1	FA04-B304P6 FA04-B3G4P6	FA04-B304Q5 FA04-B3G4Q5	FA04-B304T2 FA04-B3G4T2
Schrader w/ Power Take off	FA04-B404D1 FA04-B4G4D1	FA04-B404P6 FA04-B4G4P6	FA04-B404Q5 FA04-B4G4Q5	FA04-B404T2 FA04-B4G4T2
Oxyquip w/ Power Take off	FA04-B504D1 FA04-B5G4D1	FA04-B504P6 FA04-B5G4P6	FA04-B504Q5 FA04-B5G4Q5	FA04-B504T2 FA04-B5G4T2
Medstar w/ Power Take off	FA04-B604D1 FA04-B6G4D1	FA04-B604P6 FA04-B6G4P6	FA04-B604Q5 FA04-B6G4Q5	FA04-B604T2 FA04-B6G4T2

Flow Control Valves with 1/8" FNPT & 9/16-18 Outlet

	1/32 – 4 LPM	1 -25 LPM	10 – 40 LPM	1/4 – 60 LPM
1/8" FNPT Oxygen (Green)	F10-220D1	F10-220P6	F10-220Q5	F10-220T2
1/8" FNPT Carbon Dioxide (Silver)	F102-2202D1	F102-2202P6	F102-2202Q5	F102-2202T2
1/8" FNPT Helium (Brown)	F107-2207D1	F107-2207P6	F107-220Q5	F107-220T2
1/8" FNPT Heliox (Brown/Green)	F107-220D1	F107-220P6	F107-220Q5	F107-220T2
1/8" FNPT Nitrogen (Black)	F109-2209D1	F109-2209P6	F109-2209Q5	F109-2209T2
1/8" FNPT Nitrous Oxide (Blue)	F105-2205D1	F105-2205P6	F105-2205Q5	F105-2205T2



21 CFR820, 803, 806, 807 - Subparts A-D, & (821 where applicable)
CE Mark 1434 CGA G4.1 SOR/98-282BS
IEC 62366-1:2015 BS14971:2012 ASTM-G175-03
Council Directive 93/42/ECC ISO 10524:2006 (selected P/N's)

ISO 13485:2016 ISO13485:MDSAP
TGR 2002 BS EN 14971:2012
MRI Conditional (selected P/N's)
RoHS 3 Directive (EU) 2017/2012