numatics[®]

50 Series





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50 Series High Flow FRL Series

- High Flow
- High Pressure
- 1/4 to 1 1/2 NPTF & G Port Sizes Regulators
- 1/4 to 2 1/2 NPTF & G Port Sizes Pilot Regulators
- 3/4 to 1 1/2 NPTF & G Port Sizes Filters and Lubricators
- T-Handle Adjustment Regulator
- Rugged Design
- Metal Bowls with Sight Glass
- FRL Assemblies Available

High Flow FRL Filter



F50B Series

- Metal bowl with sight glass standard
- Manual or automatic drain

Specifications

Temperature Range °F (°C)	40-150 (4-65)
Max. Pressure PSIG (BAR)	250 (17.2)
3/4 & 1 Weight, lbs. (kg.)	6.3 (2.9)
1 & 1 1/2 Weight, lbs. (kg.)	7.0 (3.2)

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Dimensions: Inches (mm)

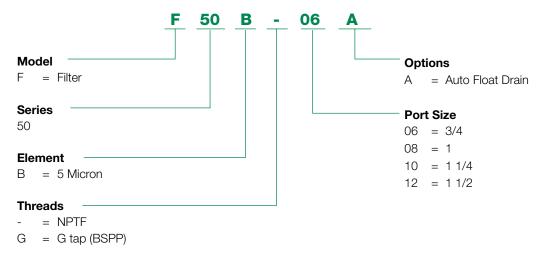
Size	Α	В	C	D	E
3/4 & 1	8.81	4.56	1.94	7.88	4.97
	(224.0)	(116.0)	(24.0)	(200.0)	(126.0)
1 1/4	9.53	5.19	1.28	8.25	4.97
	(242.0)	(132.0)	(33.0)	(210.0)	(126.0)
1 1/2	9.53	5.19	1.28	8.25	4.97
	(242.0)	(132.0)	(33.0)	(210.0)	(126.0)

Flow Ratings

Model	Micron Rating	Pipe Size	Bowl Size	SCFM
F50B-06	5	3/4	16 oz.	186
F50B-08	5	1	16 oz.	260
F50B-10	5	1 1/4	16 oz.	275
F50B-12	5	1 1/2	16 oz.	275

^{*} Flow rates based on 100 PSIG inlet and a 5 PSID.

How To Order



NEED MORE PARTS AND INFORMATION?



R50 Series

- Diaphragm-operated regulator
- T-handle standard
- Standard output pressure 0-125 PSIG

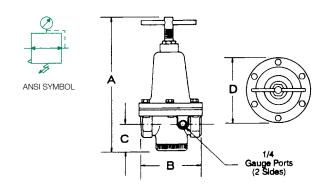
Specifications

Temperature Range °F (°C)	40-120 (4-46.9)
Max. Pressure PSIG (BAR)	300 (20.7)
1/4 & 3/8 Weight, lbs. (kg.)	1.8 (0.81)
1/2 Weight, lbs. (kg)	2.8 (1.27)
3/4 & 1 Weight, lbs. (kg.)	6.2 (2.8)
1 & 1 1/2 Weight, lbs. (kg.)	7.2 (3.3)

Flow Ratings

Model	Dina Cina	SCFM*	@ Reduced Pre	Pressure of	
Wodei	Pipe Size	25 PSIG	60 PSIG	80 PSIG	
R50R-02	1/4	60	80	90	
R50R-03	3/8	70	90	100	
R50R-04	1/2	160	180	200	
R50R-06	3/4	370	385	395	
R50R-08	1	370	385	395	
R50R-10	1 1/4	370	385	395	
R50R-12	1 1/2	370	385	395	

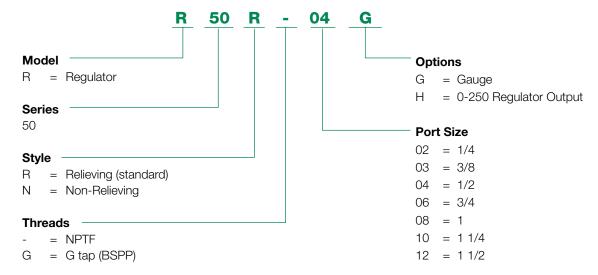
^{*} Flow rates based on 100 PSIG inlet and 25% PSID.



Dimensions: Inches (mm)

Size	A	В	C	D	
1/4 & 3/8	6.19	2.75	1.38	3.0	
	(157.0)	(70.0)	(35.0)	(76.0)	
1/2	6.75	3.75	1.47	3.56	
	(171.0)	(83.0)	(37.0)	(90.0)	
3/4 & 1	8.81 (224.0)			1.94 (24.0)	7.88 (200.0)
1 1/4	9.53	5.19	1.28	8.25	
	(242.0)	(132.0)	(33.0)	(210.0)	
1 1/2	9.53	5.19	1.28	8.25	
	(242.0)	(132.0)	(33.0)	(210.0)	

How To Order



NEED MORE PARTS AND INFORMATION?

High Flow Pilot Operated Regulator numatics

R50W Series

- High flow
- Reduced pressure within 5-7 PSIG of pilot pressure
- Relieving or non-relieving models



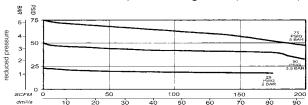
ANSI SYMBOL

Specifications

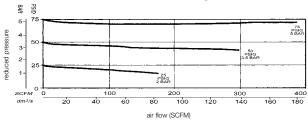
Temperature Range °F (°C)	40-120 (4-50)
Min. Pilot Pressure PSIG (BAR)	7 (0.5)
Max. Pilot Pressure PSIG (BAR)	300 (20)
Max. Supply Pressure PSIG (BAR)	300 (20)
1/4 & 3/8 Weight, lbs. (kg.)	1.6 (0.72)
1/2 Weight, lbs. (kg)	2.6 (1.1)
3/4 & 1 Weight, lbs. (kg.)	5.2 (2.4)
1 & 1 1/2 Weight, lbs. (kg.)	5.6 (2.5)
2 & 2 1/2 Weight, lbs. (kg.)	15 (6.8)

Flow Rates (all flows based on 100 PSI inlet)

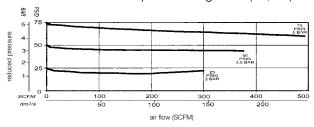
50 Series Pilot Operated Regulator (02, 03, 04)



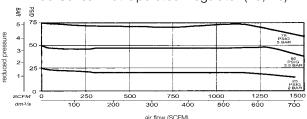
50 Series Pilot Operated Regulator (06, 08)

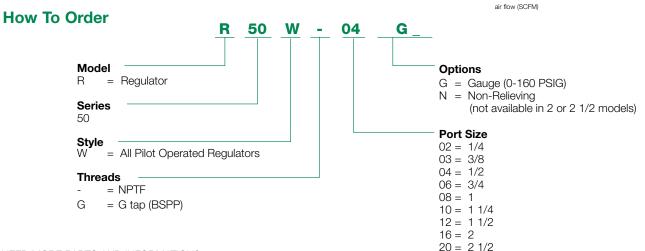


50 Series Pilot Operated Regulator (10, 12)



50 Series Pilot Operated Regulator (16, 20)





NEED MORE PARTS AND INFORMATION?

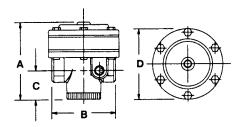
[•] See page 10 for information on ordering replacement parts.

NUMATIC5 High Flow Pilot Operated Regulator

Dimensions: Inches (mm)

50 Series Pilot Operated Regulator (02, 03, 04)

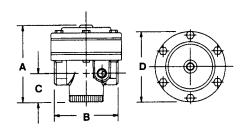




Size	A	В	C	D
1/4 & 3/8	3.38	2.75	1.38	3.0
	(86.0)	(70.0)	(35.0)	(76.0)
1/2	3.88	3.25	1.47	3.56
	(98.0)	(83.0)	(37.0)	(90.0)

50 Series Pilot Operated Regulator (06, 08)

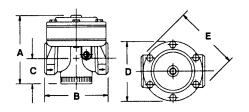




Size	A	В	C	D
3/4 & 1	4.84	4.44	1.93	4.68
	(123.0)	(113.0)	(49.0)	(119.0)

50 Series Pilot Operated Regulator (10, 12)





Size	A	В	C	D	E
1 1/4 &	5.20	4.93	1.88	4.68	5.55
1 1/2	(132.0)	(125.0)	(48.0)	(119.0)	(141.0)

^{*}Pilot ports for all models are 1/4.

50 Series Pilot Operated Regulator (16, 20)



Size	Α	В	C	D	E
2 &	8.88	7.31	3.09	6.63	8.0
2 1/2	(225.0)	(186.0)	(78.0)	(168.0)	(203.0)

High Flow Lubricator

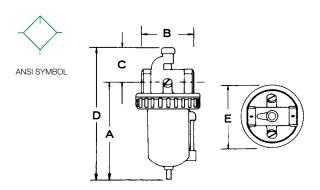


L50 Series

- High flow
- Numerical adjustment

Specifications

	Std. (Lub.)	with "J" Option
Temperature Range °F (°C)	40-150 (4-65)	40-120 (4-50)
Max. Pressure PSIG (BAR)	250 (17.2)	150 (10.3)
3/4 & 1 Weight, lbs. (kg.)	4.2 (1.9)	7.2 (3.3)
1 & 1 1/2 Weight, lbs. (kg.)	7.5 (3.4)	10 (4.5)



Dimensions: Inches (mm)

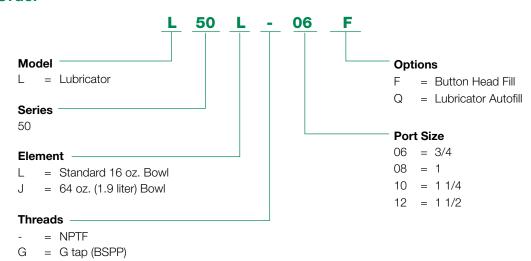
Size	A	В	C	D	E
3/4 & 1	9.88	4.06	2.63	7.25	4.97
	(251)	(103)	(67)	(184)	(126)
1 1/4	10.47	4.81	2.84	7.63	4.97
	(266)	(122)	(72)	(194)	(126)
1 1/2	10.47	4.81	2.84	7.63	4.97
	(266)	(122)	(72)	(194)	(126)

Flow Ratings

Model	Pipe Size	Bowl Size	SCFM
L50L-06	3/4	16 oz.	300
L50L-08	1	16 oz.	325
L50L-10	1 1/4	16 oz.	500
L50L-12	1 1/2	16 oz.	570

^{*} Flow rates based on 100 PSIG inlet and a 5 PSID.

How To Order



NEED MORE PARTS AND INFORMATION?

NUMATIC5 High Flow Combination Assemblies

50 Series Combinations - N50 Series

Filter/Regulator/Lubricator



Model Number	Pipe Size NPTF	SCFM	Filter	Regulator	Lubricator
N50-06FRL	3/4	186	F50B-06	R50R-06	L50L-06
N50-08FRL	1	260	F50B-08	R50R-08	L50L-08
N50-10FRL	1 1/4	275	F50B-10	R50R-10	L50L-10
N50-12FRL	1 1/2	275	F50B-12	R50R-12	L50L-12





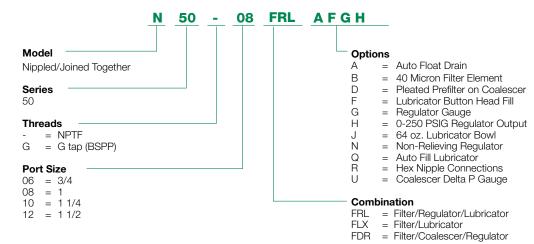
Model Number	Pipe Size NPTF	SCFM	Filter	Lubricator
N50-06FLX	3/4	185	F50B-06	L50L-06
N50-08FLX	1	260	F50B-08	L50L-08
N50-10FLX	1 1/4	275	F50B-10	L50L-10
N50-12FLX	1 1/2	275	F50B-12	L50L-12

Filter/Coalescer/Regulator



Model Number	Pipe Size NPTF	SCFM	Filter	Coalescer	Regulator
N50-06FDR	3/4	80	F50B-06	F901D-06	R50R-06
N50-08FDR	1	100	F50B-08	F901D-08	R50R-08
N50-10FDR	1 1/4	220	F50B-10	F901D-10	R50R-10
N50-12FDR	1 1/2	250	F50B-12	F901D-12	R50R-12

How To Order



NEED MORE PARTS AND INFORMATION?

Replacement Parts and Kits



50 Series High Flow Filter

Element Rep	Element Replacement Kits		
includes filter	includes filter element only		
Kit #	Description		
12 Series			
EKF50A-02	50 Series, 40 micron element, 1/4"-3/8"		
EKF50B-03	50 Series, 5 micron element, 1/4"-3/8"		
EKF48A	50 Series, 40 micron element, 1/2"		
EKF48B	50 Series, 5 micron element, 1/2"		
EKF50A	50 Series, 40 micron element, 3/4"-1-1/2"		
EKF50B	50 Series, 5 micron element, 3/4"-1-1/2"		

Filter Repai	r Kits
includes Turb	o-Flo, element retainer, quiet zone baffle, deflector retainer
Kit #	Description
RKF50	50 Series, filter repair kit

Bowl Replacement Kits	
includes bowl, o-ring, locking ring	
Description	
50 Series, 02,03,04 Series bowl	
50 Series, 06,08,10,12 Series bowl	
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Sight Glass	Repair Kit
includes tube	and 2 o-rings
Kit #	Description
SKFL50	50 Series, sight glass repair kit

50 Series High Flow Regulator

Regulator Repair Kits		
Includes diap	phragm and inner valve	
Kit #	Description	
RKR48RA	for R50R-02, (relieving) or for R50R-03, (relieving)	
RKR48RB	for R50R-04, (relieving)	
RKR50RA	for R50R-06, (relieving) or for R50R-08, (relieving)	
RKR50RB	for R50R-10, (relieving) or for R50R-12, (relieving)	
RKR48NA	for R50N-02, (non-relieving) or for R50N-03, (non-relieving)	
RKR48NB	for R50N-04, (non-relieving)	
RKR50NA	for R50N-06, (non-relieving) or for R50N-08, (non-relieving)	
RKR50NB	for R50N-10, (non-relieving) or for R50N-12, (non-relieving)	

50 Series High Flow Pilot Operated Regulator

Diaphragm	Diaphragm Repair Kits		
includes upp	er diaphragm, lower diaphragm, inner valve		
Kit #	Description		
RKW50RA	for R50W-02, (relieving) or for R50W-03, (relieving)		
RKW50RB	for R50W-04, (relieving)		
RKW50RC	for R50W-06, (relieving) or for R50W-08, (relieving)		
RKW50RD	for R50W-10, (relieving) or for R50W-12, (relieving)		
RKW50RE	for R50W-16, (relieving) or for R50W-20, (relieving)		
RKW50NA	for R50W-02N, (non-relieving) or for R50W-03N, (non-relieving)		
RKW50NB	for R50W-04N, (non-relieving)		
RKW50NC	for R50W-06N, (non-relieving) or for R50W-08N, (non-relieving)		
RKW50ND	for R50W-10N, (non-relieving) or for R50W-12N, (non-relieving)		
RKW50NE	for R50W-16N, (non-relieving) or for R50W-20N, (non-relieving)		

50 Series High Flow Lubricator

Lubricator Repair Kits		
includes need	includes needle adjustment ass'y, o'ring, adjustment cap	
Kit #	Description	
RKL50	50 Series, lubricator repair kit	

Bowl Replacement Kits		
includes bowl, o'ring, locking ring		
Kit #	Description	
BKL50A	50 Series, 02,03,04 Series bowl	
BKL50B	50 Series, 06,08,10,12 Series bowl	

Sight Glass Repair Kit	
includes tube and 2 o-rings	
Kit #	Description
SKFL50	50 Series, sight glass repair kit

Replacement Adjustment Knob Kits		
includes adjustment knob only		
Kit #	Description	
LP50	50 Series, adjustment knob	



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World Headquarters

USA Numatics, Incorporated 46280 Dylan Drive Novi, Michigan 48377

P: 248-596-3200 F: 248-596-3201

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Canada Numatics, Ltd P: 519-758-2700 F: 519-758-5540

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