

TYPES 67C and 67CR REGULATOR



Bulletin 71.1:67C

1/4 NPT aluminum body and spring case. Two outlets tapped. Nitrile diaphragm. Nitrile valve plug. No filter. Valve plug spring 302 stainless steel (Inconel® X750 for NACE applications). Vent location is over inlet. Square head adjusting screw. Approximate shipping weight is 2 pounds.



67C Series

TYPE NUMBER	INTERNAL RELIEF	VALVE STEM	SPRING RANGE, PSIG	APPLICATION	FS NUMBER	LIST PRICE
67C	No	Brass	0 to 20	Standard	67C-413 ♦	
			0 to 35		67C-414 ♦	
			0 to 60		67C-406 ♦	
			0 to 125		67C-443 ♦	
67CR	Yes		0 to 20		67CR-205	
			0 to 35		67CR-206 ♦	
			0 to 60		67CR-207 ♦	
			0 to 125		67CR-208 ♦	
67C	No	Aluminum	0 to 35	NACE	67C-N414	
			0 to 60		67C-N406	
			0 to 125		67C-N443	
67CR	Yes		0 to 35		67CR-N206	
			0 to 60		67CR-N207	
			0 to 125		67CR-N205	



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TYPES 67C and 67CR REGULATOR (Continued)

Types 67C and 67CR Options and List Price Extras

Construction Variations

OPTIONS	TYPE NUMBER	STANDARD	NACE	OPTION NUMBER	LIST PRICE EXTRA
Fixed internal bleed	67C and 67CR	X ⁽¹⁾	NA	FB	
Handwheel adjusting screw		X	X	K	
Aluminum valve plug stem		X	----	VS	
Fluorocarbon (FKM) diaphragm		X	X	V	
Fluorocarbon (FKM) valve plug (includes aluminum valve stem)		X	X	VP	
Stainless steel valve stem (includes nitrile valve plug)		X	NA	SSS	
Side outlet plugged		X	X	TB	No Extra
Tire valve connection		X	NA	TV	
Panel mount with handwheel adjusting screw. 1-hole panel mount. Includes 1/4 NPT vent.		X	X	PM1	
Panel mount bonet with handwheel adjusting screw. 3-hole panel mount adaptor. Includes adaptor and fasteners and 1/4 NPT vent.		X	X	PM3	
1/4 NPT tapped vent and closing cap		X	X	T2	
Adjusting screw with locknut and a lock wire to one flange bolt		X	X	L1	
-40 deg. F. construction		X	X	★T40F	
-60 deg. F. construction		X ⁽¹⁾	NA	★T60F	
H800 relief valve		X	X	H8	

1. Available on Type 67CR only.

Pressure Gauges

Not for use with NACE FS Numbers.

PRESSURE RANGE	GAUGE MATERIALS	OPTION NUMBER	LIST PRICE EXTRA
0 to 30 psig/ 0 to 0,2 MPa/ 0 to 2 bar	Brass wetted parts and plastic case	C2 ◆	
0 to 60 psig/ 0 to 0,4 MPa/ 0 to 4 bar		C3 ◆	
0 to 160 psig/ 0 to 1,1 MPa/ 0 to 11 bar		C4 ◆	
0 to 30 psig/ 0 to 0,2 MPa/ 0 to 2 bar	Stainless steel wetted parts and stainless steel case	C5	
0 to 60 psig/ 0 to 0,4 MPa/ 0 to 4 bar		C6	
0 to 160 psig/ 0 to 1,1 MPa/ 0 to 11 bar		C7	

TYPE 67CF REGULATOR



1/4 NPT aluminum body and spring case with integral 5 micron polyethylene filter. No internal relief valve. Two outlets tapped. Square head adjusting screw. Nitrile valve plug. Brass valve stem and drain valve. Approximate shipping weight 1 pound. For stainless steel bodies, refer to Type 67CF SR price pages. **Mounting Spacers no longer supplied, see option if required.**

FS NUMBER FOR SPRING RANGE, PSIG			DRAIN VALVE LOCATION	VENT LOCATION	LIST PRICE
0 to 35	0 to 60	0 to 125			
67CF-206 ◆	67CF-207 ◆	67CF-208 ◆	Under inlet	Over inlet	
67CF-209 ◆	67CF-210 ◆	67CF-211 ◆	Under outlet	Over outlet	

TYPE 67CFR REGULATOR



1/4 NPT aluminum body and spring case with integral 5 micron polyethylene filter and internal relief valve. Two outlets tapped. Nitrile valve plug and brass valve stem. Standard construction places brass drain valve under inlet and vent over the inlet. Pressure gauges have brass wetted parts and plastic case. Approximate shipping weight is 1 pound. 10 units per shipping carton. For stainless steel bodies refer to Type 67CFSR price pages. **Mounting Spacers no longer supplied, see option if required.**

RANGE, PSIG	FILTER	PRESSURE GAUGE, PSIG/MPa/bar	ADJUSTING SCREW	FS NUMBER	LIST PRICE
0 to 20	5 micron polyethylene	None	Square	67CFR-585	
	5 micron polyethylene	0 to 30/0 to 0,2/0 to 2	Square	67CFR-260	
0 to 35	5 micron polyethylene	None	Square	67CFR-224 ♦	
	5 micron polyethylene	None	Square	67CFR-581 ♦ ⁽¹⁾	
	5 micron polyethylene	None	Square	67CFR-362 ♦ ⁽²⁾	
	5 micron polyethylene	None	Square	67CFR-584 ♦ ⁽³⁾	
	5 micron polyethylene	None	Square	67CFR-579 ♦	
	5 micron polyethylene	0 to 30/0 to 0,2/0 to 2	Square	67CFR-235 ♦	
	5 micron polyethylene	0 to 30/0 to 0,2/0 to 2	Handwheel	67CFR-241 ♦	
	5 micron polyethylene	0 to 60/0 to 0,4/0 to 4	Square	67CFR-206 ♦	
	40 micron SST	None	Square	67CFR-24	
	40 micron SST	0 to 30/0 to 0,2/0 to 2	Square	67CFR-35	
0 to 60	40 micron SST	0 to 60/0 to 0,4/0 to 4	Square	67CFR-59	
	5 micron polyethylene	None	Square	67CFR-225 ♦	
	5 micron polyethylene	None	Square	67CFR-582 ♦ ⁽¹⁾	
	5 micron polyethylene	None	Square	67CFR-600 ♦ ⁽²⁾	
	5 micron polyethylene	None	Square	67CFR-580 ♦	
	5 micron polyethylene	0 to 60/0 to 0,4/0 to 4	Square	67CFR-237 ♦	
	40 micron SST	None	Square	67CFR-50	
0 to 125	40 micron SST	0 to 60/0 to 0,4/0 to 4	Square	67CFR-40	
	5 micron polyethylene	None	Square	67CFR- 226 ♦	
	5 micron polyethylene	None	Square	67CFR-583 ♦ ⁽¹⁾	
	5 micron polyethylene	None	Square	67CFR-601 ♦ ⁽²⁾	
	5 micron polyethylene	0 to 160/0 to 1,1/0 to 11	Square	67CFR-239 ♦	
	40 micron SST	None	Square	67CFR-26	
	40 micron SST	0 to 160/0 to 1,1/0 to 11	Square	67CFR-38	

1. Drain valve is opposite side outlet connection, vent is over inlet.
 2. Drain valve is under outlet, vent is over outlet.
 3. Drain valve and vent opposite side outlet.
 4. Drain valve under side outlet, vent over inlet.

TYPES 67CF AND 67CFR OPTIONS AND LIST PRICE EXTRAS

Construction Variations

CONSTRUCTION	OPTION NUMBER	LIST PRICE EXTRA
Polyvinylidene flouride (PVDF) filter 40 micron ⁽¹⁾	PF	
Stainless steel filter 40 micron ⁽¹⁾	SF ♦	
Glass filter 5 micron ⁽¹⁾	GF ♦	
Handwheel adjusting screw ⁽²⁾	K ♦	
Aluminum valve plug stem	VS	
Fluorocarbon diaphragm ⁽³⁾	V	
Fluorocarbon valve plug (includes aluminum valve stem) ⁽³⁾	VP	
Stainless steel valve stem (includes nitrile valve plug)	SSS	

1. Apply only to FS numbers with polyethylene filters.
 2. Apply only to FS numbers with square head adjusting screw.
 3. If operating temperature is above 180°F - add filter option (PF, SF, or GF)

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TYPE 67CFR REGULATOR (Continued)

TYPES 67CF AND 67CFR OPTIONS AND LIST PRICE EXTRAS

CONSTRUCTION	OPTION NUMBER	LIST PRICE EXTRA
Side outlet plugged ⁽⁴⁾	TB ♦	No Extra
Mounting Spacers	SP	
Panel mount bonnet with handwheel adjusting screw. 1-hole panel mount. Includes 1/4 NPT vent.	PM1	
Panel mount bonnet with handwheel adjusting screw. 3-hole panel mount adaptor. Includes adaptor and fasteners and 1/4 NPT vent.	PM3	
1/4 NPT tapped vent. Includes closing cap.	T2	
Adjusting screw with locknut and a lock a wire to one flange bolt.	L1	
Stainless steel adjusting screw and locknut. Includes 1/4 NPT tapped vent spring case.	ADJ	
Large Capacity Drip well, manual drain valve	LDW	
Large Capacity Drip well, autmatic drain valve. Nitrile (NBR) ⁽⁵⁾	ADN	
Large Capacity Drip well, automatic drain valve, Fluorocarbon (FKM) ⁽⁵⁾	ADF	
Stainless steel drain valve	SDV ♦	
Fixed internal bleed	FB	

4. Apply only to FS numbers without pressure gauges.
5. Temperature range is 40° to 175°F.

- H800 Series relief valve (for regulators with pressure settings lower than 35 psig). 1/4 NPT aluminum body. 1/2 NPT screened vent; non-adjustable setpoint. Starts to relieve between 39 to 44 psig. Nipple mounted to outlet connection.
Option Number H8 List Price Extra
- Low Temperature construction -40°F.
Option Number ★
- Low temperature construction -60°F. Construction includes a silicon diaphragm with internal relief. Not for use with natural gas.
Option Number ★
- Adaptor plate for mounting supply pressure regulator on 2500 Series controller. (Use when replacing Type 67AFR on 2500 Series controller).
Option Number 2500 List Price Extra
- Smart Bleed™ option. Includes integral check valve in body to exhaust downstream pressure if inlet pressure is lost. Only applies to the Type 67CFR, not for use with Type 67CF.
Option Number SB List Price Extra

Pressure Gauge

Apply only to 67CF Series with second outlet tapped and not already having a gauge.

PRESSURE RANGE	GAUGE MATERIALS	OPTION NUMBER	LIST PRICE EXTRA
0 to 30 psig/ 0 to 0,2MPa/ 0 to 2 bar	Brass wetted parts and plastic case	C2 ♦	
0 to 60 psig/ 0 to 0,4MPa/ 0 to 4 bar	Brass wetted parts and plastic case	C3 ♦	
0 to 160 psig/ 0 to 1,1MPa/ 0 to 11 bar	Brass wetted parts and plastic case	C4 ♦	
0 to 30 psig/ 0 to 0,2 MPa/ 0 to 2 bar	Stainless steel wetted parts and stainless steel case	C5	
0 to 60 psig/ 0 to 0,4 MPa/ 0 to 4 bar	Stainless steel wetted parts and stainless steel case	C6	
0 to 160 psig/ 0 to 1,1 MPa/ 0 to 11 bar	Stainless steel wetted parts and stainless steel case	C7	

TYPES 67CF AND 67CFR MOUNTING METHODS



Includes mounting bracket and/or bolting. When factory mounted, includes 3/8-inch copper tubing and brass fittings. Ordered as a separate FS number from Type 67CF or 67CFR unit. Do not add on as an option.

TYPE	MOUNTING METHOD	FS NUMBER			
		Factory Mounted (1)	List Price	Field Mounted (2)(5)	List Price
657, 667, 1051, 1052, 1061	Yoke	MTG67CF-A1 ♦	NE	MTG67CF-A1F ♦	
657 all sizes except 80 667 all sizes except 80 1051 all sizes 1052 all sizes	Casing	MTG67CF-A2 ♦	NE	MTG67CF-A2F ♦	
657, and 667 size 80	Casing	MTG67CF-A5	NE	MTG67CF-A5F	
529 size 10	Casing	MTG67CF-A6	NE	MTG67CF-A6F	
DVC5000, 546, 846, 3582, 3582i, 3620J and JP, 3621JP	Integral	-----(3)	----	MTG67CF-A7F ♦	
Design GX size 225, 750, 1200	Casing	MTG67CF-A8 (4)	NE	NA	----

1. Includes fixed bleed restriction
 2. Do not apply any options to field mountings. Does not include tubing or fitting.
 3. See applicable instrument mounting method for factory mounting.
 4. 10 mm tubing and fittings will be supplied as standard.
 5. Order from Emerson Process Management Regulator Technologies, Inc.

Types 67CF and 67CFR Mounting Methods Options and List Price Extras

Less Fixed Bleed Restriction

Use only with Types 67CF and 67CFR factory mounted and piped to continuous bleed device or with Type 67CFR with Smart Bleed™ option.

FITTINGS MATERIAL	OPTION NUMBER	LIST PRICE EXTRA
Brass	NBRB	No Extra
Stainless Steel	NBRSS	No Extra

Tubing and Fitting Materials

TUBING MATERIAL	FITTINGS		OPTION NUMBER		LIST PRICE EXTRA
	Material	Style	3/8-Inch Tubing	10 mm Tubing (1)	
Copper	Brass	Factory Standard	F1 (2)	F100 (3)	No Extra
		Swagelok	F3	F103	
		AIGNEP		F101	
Polyvinylchloride (PVC) coated copper	PVC-taped brass	Standard	F7		
		Swagelok	F9	F109	
		AIGNEP		F107	
316 stainless steel	316 stainless steel	Swagelok	F85	F185	
		Ferulok	F89		
		Parker CPI	F91		
		Petrometallic		F196	
		Parker a-Lok		F197	
Parker 801-4 hose	316 stainless steel	Parker Push-Lok	F95		

1. European sourcing only.
 2. Factory standard construction for imperial-based actuators. No selection necessary.
 3. Factory standard construction for metric-based actuators including the GX. No selection necessary.

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TYPES 67CF AND 67CFR MOUNTING METHODS (Continued)

Notes:

Standard brass fittings from North America factories are 3/8-inch Parker Compress–Align

Standard brass fittings from EMA are 10 mm, but specific brand may vary.

Stainless steel fittings include stainless steel elbows, tees, nipples, pipe plugs, and bushings when required for accessory mounting.

Parker 801-4 hose has 1/4-inch ID and 1/2-inch OD.

TYPE 67CF REGULATOR**(NACE Standard MR0175-2003)**

1/4 NPT aluminum body and spring case with integral 5 micron polyethylene filter. No internal relief valve. Spring case is tapped 1/4 NPT. Vent location is over inlet. Square head adjusting screw and closing cap. Nitrile/aluminum valve plug. Nitrile diaphragm. Inconel® X750 valve plug return and regulator spring. Two outlets tapped. **Mounting Spacers no longer supplied, see option if required.**

FS NUMBER FOR SPRING RANGE, PSIG			LIST PRICE
0 to 35	0 to 60	0 to 125	
67CF-N206	67CF-N207	67CF-N208	

TYPE 67CFR REGULATOR**(NACE Standard MR0175-2003)**

1/4 NPT aluminum body and spring case with integral 5 micron polyethylene filter and internal relief valve. Spring case is tapped 1/4 NPT. Vent location is over inlet. Square head adjusting screw and closing cap. Nitrile/aluminum valve plug. Nitrile diaphragm. Inconel X750 valve plug return spring and regulator spring. Two outlets tapped. **Mounting Spacers no longer supplied, see option if required.**

FS NUMBER FOR SPRING RANGE, PSIG			LIST PRICE
0 to 35	0 to 60	0 to 125	
67CFR-N224	67CFR-N225	67CFR-N227	

TYPES 67CF and 67CFR (NACE Standard MR0175-2003) Options and List Price Extras**Construction Variations**

CONSTRUCTION	OPTION NUMBER	LIST PRICE EXTRA
Polyvinylidene fluoride (PVDF) filter 40 micron	PF	
Stainless steel filter, 40 micron	SF	
Mounting Spacers	SP	
Glass Filter, 5 micron	GF	
Handwheel adjusting screw ⁽¹⁾	K	
Fluorocarbon diaphragm ⁽²⁾	V	
Fluorocarbon valve plug ⁽²⁾	VP	
Side outlet plugged	TB	

1. When the "K" option is applied to NACE constructions, the spring case changes from a tapped spring case to an untapped spring case.
2. If operating temperature is above 180°F - add filter option (PF, SF, or GF)

TYPE 67CFS REGULATOR

1/4 NPT 316L stainless steel body with second outlet tapped. 316L stainless steel spring case with resin closing cap and 1/4 NPT vent. 316L stainless steel drip well, drain assembly and 5 micron polyethylene element. N07750 (Inconel® X750) heat-treated range spring, 316 stainless steel upper spring seat. 316 stainless steel square head adjusting screw, nitrile diaphragm, 316 stainless steel diaphragm plate, 316 stainless/nitrile valve assembly and N07750 (Inconel X750) heat-treated valve spring. Vent location is over inlet and drain cock is under inlet. The second outlet is plugged with a 316 stainless steel hex head pipe plug.

RANGE, PSIG	FS NUMBER	LIST PRICE
0 to 20	67CFS-585	
0 to 35	67CFS-224	
0 to 60	67CFS-225	
0 to 125	67CFS-226	
0 to 150	67CFS-227	

TYPE 67CF SR REGULATOR

1/4 NPT 316L stainless steel body with second outlet tapped. 316L stainless steel spring case with resin closing cap and 1/4 NPT vent. 316L stainless steel drip well, drain assembly and 5 micron polyethylene element. N07750 (Inconel X750) heat-treated range spring, 316 stainless steel upper spring seat. 316 stainless steel square head adjusting screw, nitrile soft internal relief, nitrile diaphragm, 316 stainless steel diaphragm plate, 316 stainless/nitrile valve assembly and N07750 (Inconel X750) heat-treated valve spring. Vent location is over inlet and drain cock is under inlet unless noted otherwise. Pressure gauge has stainless steel wetted parts and case. If a gauge is not supplied, the second outlet is plugged with a 316 stainless steel hex head pipe plug.

RANGE, PSIG	TRIPLE SCALE PRESSURE GAUGE, PSI/MPa/bar	FS NUMBER	LIST PRICE
0 to 20	0-30/0-0.2/0-2	67CF SR-260	
	None	67CF SR-585	
0 to 35	0-60/0-0.4/0-4	67CF SR-206 ◆	
	None	67CF SR-224 ◆	
	0-30/0-0.2/0-2	67CF SR-235 ◆	
	None	67CF SR-581 ◆ (1)	
	None	67CF SR-362 ◆ (2)	
0 to 60	None	67CF SR-225 ◆	
	0-60/0-0.4/0-4	67CF SR-237 ◆	
	None	67CF SR-582 ◆ (1)	
	None	67CF SR-600 ◆ (2)	
0 to 125	None	67CF SR-226 ◆	
	0-160/0-1.1/0-11	67CF SR-239 ◆	
	None	67CF SR-583 ◆ (1)	
	None	67CF SR-601 ◆ (2)	
0 to 150	None	67CF SR-227	
	0-160/0-1.1/0-11	67CF SR-238	

1. Drain valve is opposite side outlet connection, vent is over inlet.
2. Drain valve is under outlet, vent is over outlet.

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TYPE 67CFSR REGULATOR (Continued)

Types 67CFS and 67CFSR Options and List Price Extras

Stainless Steel Pressure Gauge

Not for use with NACE option. Gauge is back connected.

PRESSURE RANGE	OPTION NUMBER	LIST PRICE EXTRA
0 to 30 psig/0 to 0,2 MPa/0 to 2 bar	C7	
0 to 60 psig/0 to 0,4 MPa/0 to 4 bar	C8	
0 to 160 psig/0 to 1,1 MPa/0 to 11 bar	C9	

Fluorocarbon diaphragm, valve plug, soft seat, thrust washer and o-rings (If operating temperature is above 180°F - add filter option (PF, SF, or GB)).

NACE Standard MR0175-2003 compliance stainless steel tag. Apply option to FS numbers without gauges only.

Option Number N1 List Price Extra

Panel mount spring case with hand wheel adjusting screw. One hole panel mount

Option Number PM1 List Price Extra

Glass Filter, 5 micron

Option Number GB No Extra

SST Filter, 40 micron

Option Number SF No Extra

PVDF Filter, 40 micron

Option Number PF No Extra

Smart Bleed™ option. Includes integral check valve in body to exhaust downstream pressure if inlet pressure is lost. Only applies to the Type 67CFSR, not for use with Type 67CFS.

Option Number SB List Price Extra

CONSTRUCTION	OPTION NUMBER	LIST PRICE EXTRA
Large Capacity Drip well, manual drain valve	LDW	
Large Capacity Drip well, automatic drain valve. Nitrile (NBR) ⁽⁴⁾	ADN	
Large Capacity Drip well, automatic drain valve, Fluorocarbon (FKM) ⁽⁴⁾	ADF	

4. Temperature range is 40° to 175°F.

TYPES 67CS and 67CSR REGULATORS

1/4 NPT 316L stainless steel body with second outlet tapped. 316L stainless steel spring case with resin closing cap and 1/4 NPT vent. N07750 (Inconel® X750) heat-treated range spring, 316 stainless steel upper spring seat. 316 stainless steel square head adjusting screw, nitrile soft internal relief, nitrile diaphragm, 316 stainless steel diaphragm plate, 316 stainless/nitrile valve assembly and N07750 (Inconel X750) heat-treated valve spring. Vent location is over inlet. Pressure gauge has stainless steel wetted parts and case. The second outlet is plugged with a 316 stainless steel hex head pipe plug.

TYPE NUMBER	INTERNAL RELIEF	SPRING RANGE, PSIG	FS NUMBER	LIST PRICE
67CS	No	0 to 20	67CS-413	
		0 to 35	67CS-414	
		0 to 60	67CS-406	
		0 to 125	67CS-443	
		0 to 150	67CS-409	
67CSR	Yes	0 to 20	67CSR-205	
		0 to 35	67CSR-206	
		0 to 60	67CSR-207	
		0 to 125	67CSR-208	
		0 to 150	67CSR-209	

TYPES 67CS and 67CSR REGULATORS (Continued)

Types 67CS and 67CSR Options and List Price Extras

Construction Variations

CONSTRUCTION	OPTION NUMBER	LIST PRICE EXTRA
One-hole Panel mount with handwheel adjusting screw. Aluminum/Monel inlet screen (no brass). Handwheel adjusting screw. Fluorocarbon (FKM) diaphragm and valve plug. NACE Standard MR0175-2003 construction. Cannot use with Gauge option.	PM1 AS K V3 N1	

Stainless Steel Pressure Gauge

Not for use with NACE option. Gauge is back connected.

PRESSURE RANGE	OPTION NUMBER	LIST PRICE EXTRA
0 to 30 psig/0 to 0,2 MPa/0 to 2 bar	C7	
0 to 60 psig/0 to 0,4 MPa/0 to 4 bar	C8	
0 to 160 psig/0 to 1,1 MPa/0 to 1 bar	C9	

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