Regulators Pressure Reducing BE Series

Specifications For other materials or modifications, please consult TESCOM.

OPERATING PARAMETERS Pressure rating per criteria of ANSI/ASME B31.3

Maximum inlet pressure 6,000 PSIG [414 bar]

Maximum outlet pressure See Part Number Selector

Design Proof Pressure 150% maximum rated pressure

Leakage Bubble-tight

Operating Temperature See Part Number Selector

Flow Capacity $C_V = 0.02$

MEDIA CONTACT MATERIALS

Body

Brass, Aluminum Nickel plated, 316 Stainless Steel

Piston:

Brass (Brass and Aluminum bodies only) 316 SST (316 SST bodies only)

Seat

PTFE, CTFE, Polyimide

O-Ring

Buna-N, Viton[®], Ethylene Propylene, Urethane

Filter

Bronze, Stainless Steel

OTHER

Weight .5 lbs. [0.23 kg]

Viton[®] is a registered trademark of DuPont Performance Elastomers.



The BE regulator functions alone, as a pilot source for electronic controllers like the ER3000 or can be used to convert most TESCOM low pressure regulators into a twostage pressure reducer.

Applications

- Rough cut regulator
- Can be combined with a one-stage regulator to create a two-stage regulator
- Tee-ed in for a pilot source
- Non-venting

Advanced Features

- Material: Nickel-plated aluminium, brass and 316 Stainless Steel
- Positive shut-off for leak integrity
- Reverse decaying inlet characteristic for sensitive equipment applications
- Preset at factory for a set of standard operating conditions
- Low flow applications: Cv = 0.02
- 6000 PSIG [413 bar] inlet, 0 450 PSIG [0 - 31 bar] outlet
- Various porting configurations for gauges and relief valves

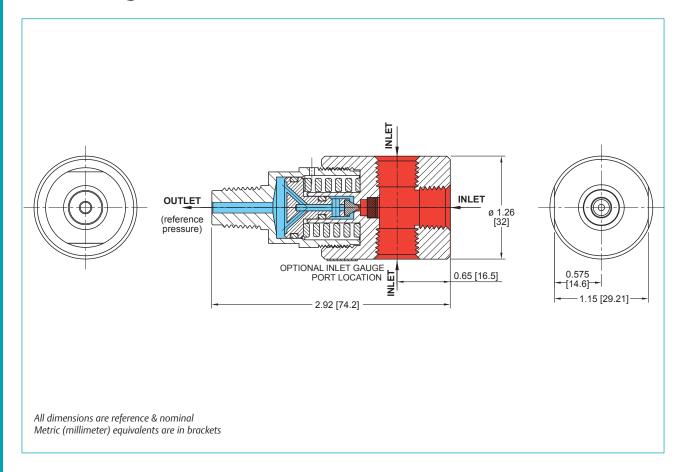




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BE Series Regulator

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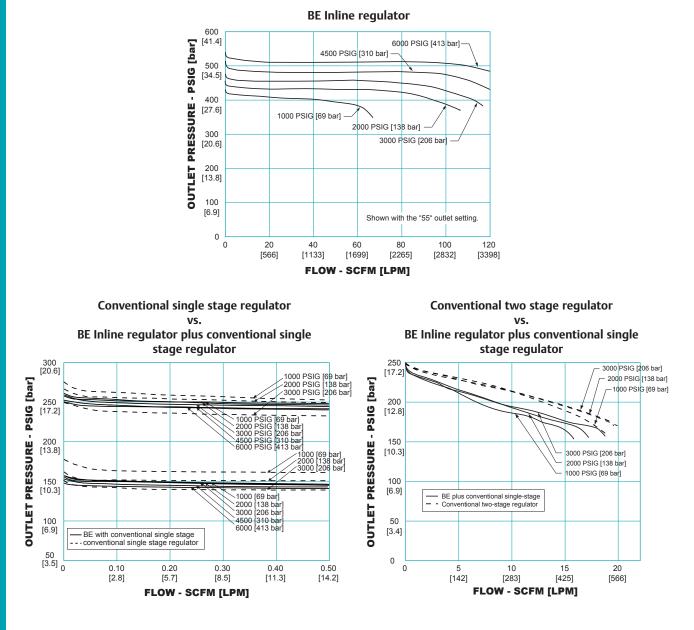
BE Series Regulator

							INLET, OUTLET & GAUGE PORTS							
							PORT TYPE	1/8	1/4	none				
							FNPT	2	4	-				
							MNPT	В	С	9				
							FSAE	Ε	F			Н		
Part	Number	Selector					MSAE	н	Т			INLET	OUTLET GAUGE	
examp	ole part numb	er:												
BE	6		25			VC		-		н	-	4	C 4	
BASIC SERIES	BODY & BONNET MATERIAL	NOMINAL OUTLET SETTING P1 PSIG [bar]			O-RING	SEAT	OPERATING		PORTING CONFIGURATION		N	OPTIONAL		
		1000 [69]	3000 [207]	6000 [413]	MATERIAL	MATERIAL TEMPER				e view)		ITEMS		
BE	1 – Brass	05 – 25 [1.7]	60 [4.1]	120 [8.3]	BT – Buna-N		-40°F to +165° [-40°C to +74°		A – no gauge ports			– – no inlet filter		
	3 – Aluminum Nickel plated	10 – 50 [3.4]	95 [6.6]	160 [11]	VT – Viton®	PTFE		-15°F to +250°F		<	⊢ Inlet filter			
	6 – 316 SST	20 – 160 [11]	200 [13.8]	260 [18]	ET – E.P.		[-26°C to +121°C] -40°F to +250°F		F – one gauge			40 micron bronze		
		25 – 220 [15.2]	250 [17.2]	330 [22.8]	UT – Urethane		-40°C to +121° -40°F to +165°	' port		rt ↓	s -	- inlet	: filter	
		55 – 510 [35.2]	550 [38]	600 [41.3]			[-40°C to +74°		*	<	•		nicron	
					BC – Buna-N		-40°F to +140°		U 5.4			551		
					VC – Viton®		[-40°C to +60° -15°F to +140°	1	po	o gauge ts				
							[-26°C to +60°	1	Note: Porting configuration could restrict gauge port orientation.		-			
					EC – E.P.		-40°F to +140° [-40°C to +60°							
					UC – Urethane		-40°F to +140° [-40°C to +60°	C]						
					BY – Buna-N		-40°F to +165° [-40°C to +74°	۶F						
					VY – Viton®		-15°F to +400°	°F						
					EY – E.P.	Polyimide	-40°F to +250°							
							[-40°C to +121°	°C]						
					UY – Urethane		-40°F to +165° [-40°C to +74°							

Repair Kits, Accessories & Modifications may be available for this product. Please contact TESCOM for more information.

BE Series Regulator

Flow Charts



WARNING! Do not attempt to select, install, use or maintain this product until you have read and fully understood the TESCOM Safety, Installation & Operation Precautions.

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