

# Pressure Reducing Regulator with Flanges

low flow  
max. 40 bar in, max. 34.5 bar out

## 44-5200F Series

### Specifications

#### Fluid media

Corrosive or non-corrosive gases or those requiring high purity regulation compatible with materials of construction. For other media, consult factory.

#### Operating Parameters

Inlet pressure max: .....580 PSIG (40 bar)

Outlet pressure ranges:

..... 1 - 25 PSI (0.07 - 1.7 bar)

..... 1 - 50 PSI (0.07 - 3.5 bar)

..... 2 - 100 PSI (0.1 - 7 bar)

..... 2 - 250 PSI (0.1 - 17 bar)

..... 5 - 500 PSI (0.3 - 35 bar)

Design proof pressure:

..... 150% of rated pressure

Design burst pressure:

..... 400 % of rated pressure

Leakage:

Internal: ..... Bubble tight

Flow capacity: ..... Cv = 0.06, Cv = 0.15

Operating Temperature:..... -15 °F to +165 °F  
(-26 °C to +74 °C)

#### Media Contact Materials

Body:..... 316L SST

Seat: ..... Teflon®

O-ring:..... Viton®

Remaining parts: ..... 300 Series SST

*For other materials and modifications, please consult Tescom.*

#### Weight (approximately): DN15: ..... 6.6 lbs (3.9 kg)

DN20/25: ... 12 lbs (5.3 kg)



### Advantages

- Flange connections according to DIN EN 1092-1 Type 11 for easy line integration
- Face to face dimensions according to DIN EN 558, Row 1
- Connection up to DN25
- Compact and economical design
- For gas or liquid services
- Piston sensed for high reliability and long service life
- Standard version includes 1/4" NPT gauge ports
- Stainless steel body construction
- Adjustable stop limits maximum outlet pressure
- Other connection standards on request

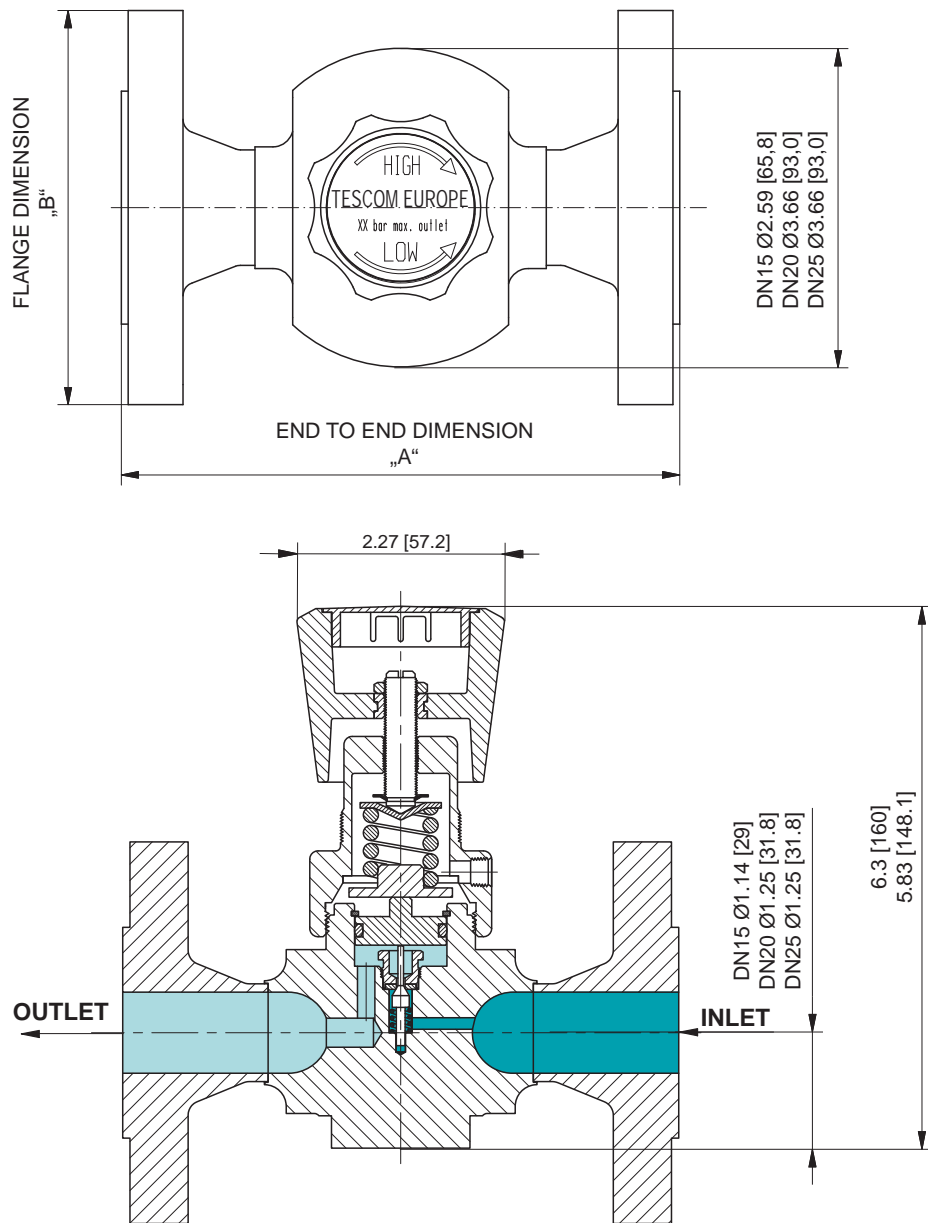
*Teflon® and Viton® are registered trademarks of DuPont.*

**TESCOM**

  
**EMERSON**  
Process Management

D4452FL10139XEN2

# 44-5200F Series Pressure Reducing Regulator with Flanges

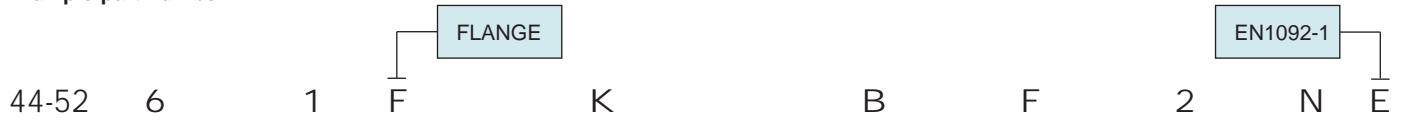


All dimensions are reference & nominal  
Metric (mm) equivalents are in brackets

# 44-5200F Series Pressure Reducing Regulator with Flanges

## Part Number Selector

Example part number:



BASIC SERIES	BODY & FLANGE MATERIAL	OUTLET PRESSURE	IN & OUT PORT TYPE	"A" ±.08" (±2 mm)	"B" ±.08" (±2 mm)	END FLANGE FACING	GAUGE PORT OPTIONS	FLOW CAPACITY	VENTING OPTION
44-52	6 - 316L SST	0 - 1 - 25 PSI (0.07 - 1.7 bar)	K - DN15	5.12 (130)	3.74 (95)	B - form B - raised face	A - none 	1 - Cv = 0.06	N - Non Venting
		1 - 1 - 50 PSI (0.07 - 3.5 bar)	L - DN20	5.90 (150)	4.13 (105)	D - form D - ring joint	D - 1/4" NPT 1 x out 	2 - Cv = 0.15	
		2 - 2 - 100 PSI (0.1 - 7 bar)	M - DN25	6.30 (160)	4.53 (115)		E - 1/4" NPT 1 x out 		
		3 - 2 - 250 PSI (0.1 - 17 bar)					F - 1/4" NPT 1 x in 		
		5 - 5 - 500 PSI (0.3 - 35 bar)					L - 1/4" NPT 1 x in, 1 x out 		

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

## KITS

### NONMETALLIC:

389-7015 ..... 44-52XXFXXX1E

389-7017 ..... 44-52XXFXXX2E

### REPAIR:

389-7016 ..... 44-52XXFXXX1E

389-7018 ..... 44-52XXFXXX2E

# 44-5200F Series Pressure Reducing Regulator with Flanges

## Flow Chart

