

## 44-1300F Series

Regulators - Pressure Reducing

D4413FL10140XEN2

## Specifications

*For other materials or modifications, please consult TESCOM.*

## OPERATING PARAMETERS

*Pressure rating per criteria of ANSI/ASME B31.3***Maximum Inlet Pressure**

580 psig / 40.0 bar

**Outlet Pressure Ranges**

0-300 psig / 0-20.7 bar

0-580 psig / 0-40.0 bar

**Design Proof Pressure**

150% maximum rated

**Design Burst Pressure**

400% maximum rated

**Leakage**

Bubble-tight

**Operating Temperature**

-15°F to 165°F / -26°C to 74°C

**Flow Capacity** $C_v = 0.8, C_v = 2.0$ 

TESCOM 44-1300F Series high flow, pressure reducing regulators provide welded flanges according to EN 1092 and are suitable for gas or liquid service.

## MEDIA CONTACT MATERIALS

**Body**

316L Stainless Steel

**Main Valve Seat**

Teflon®

**Vent Valve Seat**

Teflon® (venting only)

**Back Cap**

300 Series Stainless Steel

**Back-up Rings**

Teflon®

**O-Ring**

Viton®

**Gaskets**

CTFE

**Remaining Parts**

Type 17-4, 17-7, 300 Series Stainless Steel, Teflon®

## Applications

- Pressure control for diving and life support applications
- Pilot plants (i.e. in the chemical industry)

## Features and Benefits

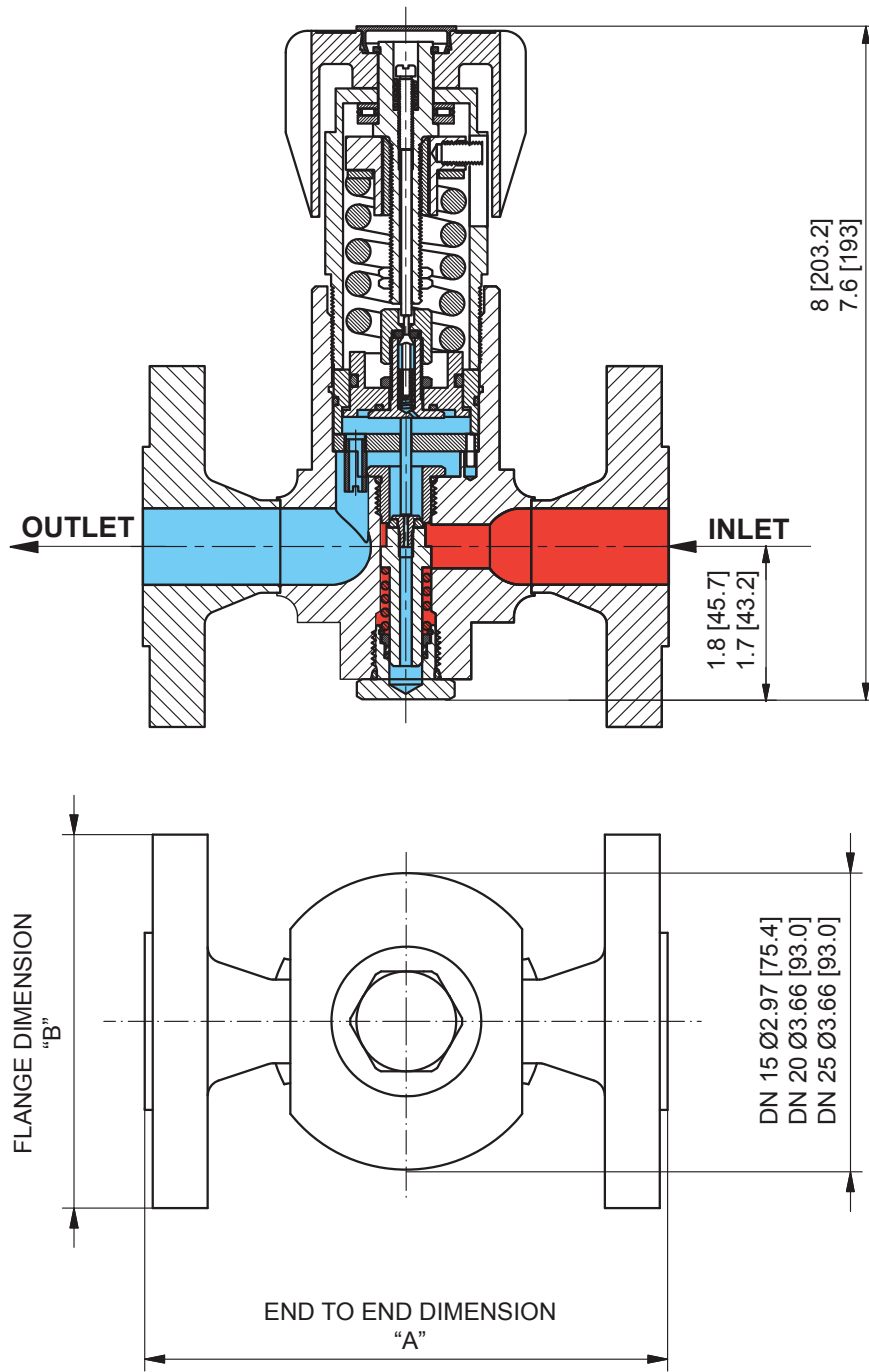
- Flange connections according to DIN EN 1092-1 Type 11 for easy line integration
- Face-to-face dimensions according to DIN EN 558, Row 1
- Connection up to DN 25
- Large piston sensor provides excellent sensitivity
- Balanced valve design ensures stable downstream pressure
- Large handknob offers fast low-torque pressure settings
- Venting is standard (select non-venting for liquids or critical gases)
- Available with gauge ports
- Other connection standards available upon request

## OTHER

**Weight (approximate)****DN 15:** 9 lbs / 4.1 kg**DN 20/25:** 12.1 lbs / 5.5 kg

*Teflon® and Viton® are registered trademarks of E.I. du Pont de Nemours and Company.*

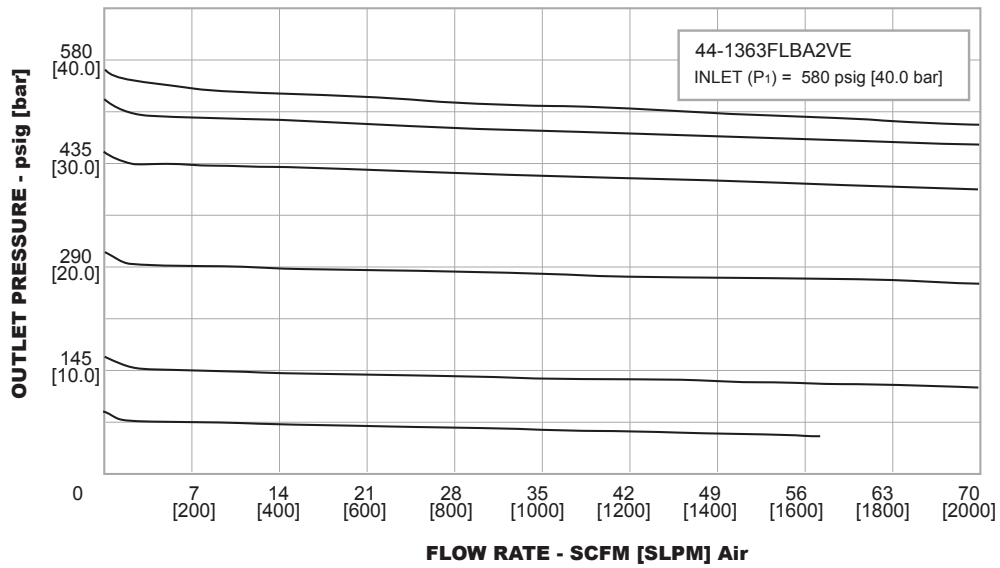
44-1300F Series Regulator Drawing



All dimensions are reference & nominal  
Metric [millimeter] equivalents are in brackets

### 44-1300F Series Regulator Flow Chart







For more information on how to read flow curves, please refer to the Flow Curves and Calculations document (debul2007x012) in the TESCOM catalog or on [www.tescom.com](http://www.tescom.com).



## 44-1300F Series Regulator Part Number Selector

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

Example for selecting a part number:

			FLANGE						EN 1092-1	
<b>44-13</b>	<b>6</b>	<b>2</b>	<b>F</b>	<b>K</b>	<b>B</b>	<b>F</b>	<b>2</b>	<b>V</b>	<b>E</b>	
BASIC SERIES	BODY AND FLANGE MATERIAL	OUTLET PRESSURE	INLET & OUTLET PORT TYPE	"A" ± 0.08" (± 2 mm)	"B" ± 0.08" (± 2 mm)	FLANGE TYPE	GAUGE PORT OPTIONS	FLOW CAPACITY	VENTING OPTION	
44-13	6 - 316L Stainless Steel	2 - 0-300 psig 0-20.7 bar	K - DN 15	5.12 130	3.74 95	B - Form B - raised face  D - Form D - ring joint	A - None 	1 - C <sub>v</sub> = 0.8 Orifice: ø 0.250 / 6.4	N - Non-Venting (for liquid service)  V - Venting	
		3 - 0-580 psig 0-40.0 bar	L - DN 20	5.90 150	4.13 105		D - 1/4" NPTF 1 x out 			2 - C <sub>v</sub> = 2.0 Orifice: ø 0.375 / 9.5
			M - DN 25	6.30 160	4.53 115		E - 1/4" NPTF 1 x out 			
							F - 1/4" NPTF 1 x in 			
							L - 1/4" NPTF 1 x in, 1 x out 			
										

### Kits

	BASIC SERIES	PART NUMBER
NON METALLIC	44-13XX FXX 1VE	389-1873
	44-13XX FXX 2VE	389-1874
	44-13X2 FXX 2VE	389-2726
	44-13XX FXX 1NE	389-1459
	44-13XX FXX 2NE	389-2784
REPAIR	44-13XX FXX 1VE	389-1875
	44-13XX FXX 2VE	389-1876
	44-13X2 FXX 2VE	389-2727
	44-13XX FXX 1NE	389-2343
	44-13XX FXX 2NE	389-2785