# High Pressure/Pressure Reducing maximum 6,000 & 10,000 PSIG in / range of 5 - 10,000 PSIG out seven regulators in one compact unit 26-1000 Series

# **Specifications**



For other materials and modifications, please consult Tescom.

trim ..... 300 Series Stainless Steel

Cleaning	CCA 4.1	and ASTM G9	2
Cleaning	. (JGA 4.1	and AS HVI G9	.5

☐ Weight (without gauges)

 stainless steel.
 5.5 lbs. (2.5 kg)

 brass.
 5.7 lbs. (2.6 kg)

**Pressure Conversion** 14.5 PSIG = 1 bar 145 PSIG = 1 MPa

Teflon®, Viton-A®, Kalrez® and Vespel® are registered trademarks of Du Pont. PEEK OPTIMA® is a registered trademark of Invibio Ltd.



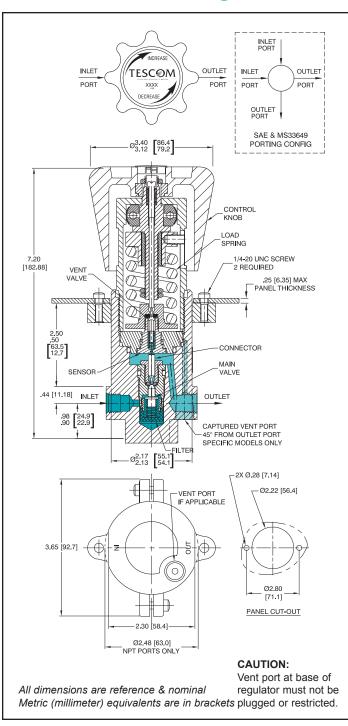
# **Advantages**

- Can be easily converted to seven different outlet pressure ranges
- Available with captured venting
- Numerous inlet and outlet porting options
- · Available in brass or stainless steel
- Unbalanced stem provides positive shut-off
- · Safety and reliability of piston sensor
- Excellent sensitivity through a wide range of pressure settings
- Regulator vents to zero PSIG in all pressure ranges

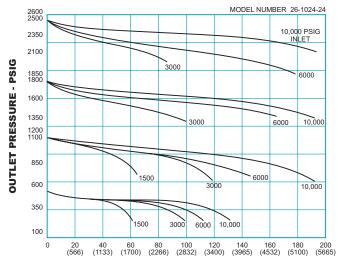




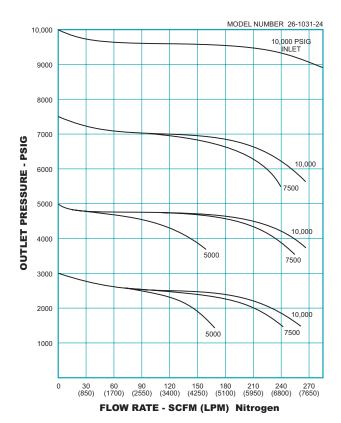
# 26-1000 Series High Pressure/Pressure Reducing



# **Flow Charts**



FLOW RATE - SCFM (LPM) Nitrogen



## **Part Number Selector**

example part number:

26-10 1 4 - 3	4
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BASIC SERIES	BODY & BONNET MATERIAL	OUTLET PRESSURE RANGE	INLET & OUTLET PORT TYPE	INLET & OUTLET PORT SIZE
26-10	1 – Brass 6 – 316 Stainless Steel	1 - 200-10,000 PSIG (SST Body Only) 2 - 50-6000 PSIG 3 - 25-4000 PSIG 4 - 15-2500 PSIG 5 - 10-1500 PSIG	<ol> <li>SAE*</li> <li>NPT</li> <li>MS33649*</li> <li>High Pressure</li> <li>Medium Pressure</li> </ol>	4 - 1/4" 6 - 3/8" (NPT only)
NOTE: All p	pressure ranges vent to zero PSIG.	6 - 5-800 PSIG 7 - 5-500 PSIG	* Two inlet & ou	utlet ports standard at 90°

# **Standard Modifications**

MODIFICATION FE	EATURE			PART NUI	MBER SUFFIX		
The captured bonnet	vent port all	ows the us	ser to: nd 3) provide a secondary sealed barrier.		002		
Standard Unit with Vi	005						
Captured Venting witl	007						
1/4" NPT Inlet & Outle	et Gauge Po	rts at 60°	Angle		008		
15,000 PSIG Inlet & O For varied outlet cap		•	ilities in Stainless Steel		039		
			dental changes in pressure settings.		098		
1/2" Inlet & Outlet Por	rts				163		
Non-Venting with Vito	n-A® O-Ring	gs			280		
	Air Ratio Device, Non-Venting Only						
With pressure ranges of:							
Model Number	Max. P2	Ratio*	Notes				
26-10X1-XX-045A 26-10X2-XX-045A	10,000 6,000	125-1 75-1	Stainless steel only Brass or stainless steel				
26-10X4-XX-045A 26-10X4-XX-045A	2,500	75-1 32-1	Brass or stainless steel	26-100	*		
26-10X5-XX-045A	1,500	19-1	Brass or stainless steel	Air Act	tuator		
* Ratio is for reference	•						
Seat Material: Teflon®,	CTFE, PEE	K®, 17-4 F	PH Stainless Steel		consult Tescom		
O-Ring Material: Teflo	n®, Viton-A®,	Ethylene	Propylene, Urethane, Kalrez®		consult Tescom		
Vent Options: Capture	ed Bonnet, N	on-Venting			consult Tescom		
Loading Options:							
Air Ratio**, Dome-Load (1:1), Bias: captured bonnet (negative or positive bias), Wrench Adjust							
** The air ratio model can provide up to 15,000 PSIG outlet pressure. For specific ratios, consult factory.							
Pressures: 20,000 PS	IG inlet & ou	tlet			consult Tescom		
Flow Capacity: $C_V = 0$	consult Tescom						
Cartridge Mounted	consult Tescom						
			used with air ratio or dome-loaded mode		consult Tescom		

# **Accessories** (optional at extra cost)

ITEM	PART NUMBER
Gauges Consult GAUGES section of catalog	
Standard Repair Kit	P/N 38-1000-26
Standard Soft Goods Kits:	
Model: 26-10X1	P/N 389-1016
26-10X2 & 26-10X3	P/N 389-1005
26-10X4	P/N 389-1017
26-10X5, 26-10X6 & 26-10X7	P/N 389-1002
Consult Tescom about kits for modifications.	
Multiple Range Kit (see back page)	P/N 38-100X-XXX-XX
Main Valve Service Tool	P/N 6557-3
<b>System Automation:</b> To automate your system, an ER3000 or ER1200 Electropneumatic PID with this regulator. <i>Consult Tescom for additional information and a specific part number.</i>	Controller can be used

# 26-1000 & 44-1100 Multiple Range Kits

Tescom's Multiple Range Kits permit the 26-1000 Series and 44-1100 Series to be modified to any one of several different outlet pressure ranges. Modular design of these regulators permit the outlet pressure ranges to be changed while retaining the desirable characteristics of minimum lock-up, maximum sensitivity, precision and accuracy.

This can be done by interchanging a combination of sensors and load springs and can be accomplished while the regulator remains in line and connected to the system.

With the use of the Multiple Range Kits, the 26-1000 Series regulator has the ability to accomplish what would ordinarily require up to seven different regulators. The 44-1100 Series regulator can be adapted to provide six different outlet pressure ranges.

To change the pressure range, simply remove the control knob which is retained by a locknut, unscrew the bonnet (1  $^{3}$ /4" across the flats for the 26-1000 and 1  $^{5}$ /8" for the 44-1100) and remove the spring and sensor. Select the spring and sensor combination which will produce the pressure range required. Reassemble the regulator and resume regulator operation.

- Economy & convenience of a single regulator
- · Modular components
- Minimum lock-up with maximum sensitivity
- · Convert without removing from panel
- · Color coded springs
- No special tools involved

### 26-1000 Series Kit



### 44-1100 Series Kit



	26-1000 SERIES			44-1100 SERIES				
Desired Outlet Pressure Range	Sensor Assy. No.	Sensor P/N	Spring Color	Spring P/N	Sensor Assy. No.	Sensor P/N	Spring Color	Spring P/N
200-10,000 PSIG (14-690 bar)	1	1006-XX	Silver	1051	None	None	None	None
50-6,000 PSIG (3.4-414 bar)	2	1007-XX	Silver	1051	2	1007-XX	Silver	1051
25-4,000 PSIG (1.7-276 bar)	2	1007-XX	Gold	1050	2	1007-XX	Gold	1050
15-2,500 PSIG (1.03-172 bar)	3	1008-XX	Silver	1051	3	1008-XX	Silver	1051
10-1,500 PSIG (.69-105 bar)	4	1009-XX	Silver	1051	4	1009-XX	Silver	1051
0-800 PSIG (0-54 bar)	4	1009-XX	Gold	1050	4	1009-XX	Gold	1050
0-500 PSIG (0-34 bar)	4	1009-XX	Olive	1049	4	1009-XX	Olive	1049

Since both models are provided with one spring and one sensor when shipped, the Multiple Range Kit will contain all other springs and sensors required to accomplish any of the above listed pressures ranges.

38-144

### **Part Number Selector**

example part number:

38-100

### **26-1000 SERIES**

XXX

**44-1100 SERIES** 

XXX

BASIC SERIES	SPRING COMBINATION	SENSOR ASSEMBLY NUMBERS	METALLIC MATERIAL	O-RING MATERIAL
38-100	1 – 1049-1050 2 – 1049-1051 3 – 1050-1051	2	2 – 300 Series SST 6 – 316 SST	0 – Buna-N 2 – Viton-A® 5 – Ethylene Propylene

BASIC SERIES	SPRING COMBINATION	SENSOR ASSEMBLY NUMBERS	METALLIC MATERIAL	O-RING MATERIAL
38-144	1 - 1049-1050 2 - 1049-1051 3 - 1050-1051	1 2 3 4	<b>2</b> – 313 SST <b>6</b> – 316 SST	0 – Buna-N 2 – Viton-A® 5 – Ethylene Propylene

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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