

Pre-Set / Spring Loaded / Positive Shut-off  
 max. 248 bar in / ranges up to 22 bar out  
 compressed natural gas (CNG) regulator / high flow

# 20-1000 Series

## Specifications

- Operating Parameters  
 Max. rated inlet pressure: .....248 bar (3600 PSIG)  
 Outlet pressure ranges:  
     ..... 3.4 - 6.1 / 6.2 - 13.8 / 13.9 - 22.1 bar  
             (50 - 89 / 90 - 200 / 201 - 320 PSIG)  
 Leakage: ..... Bubble-tight  
 Filtration: .....40 micron nominal  
 Operating temperature: ..... -40 °C to +120 °C  
 Flow capacity: ..... Cv = 0.5
  
- Media Contact Materials  
 Body:..... Aluminum 6061-T6 with nickel plating  
 Seat: ..... Vespel®  
 Main Valve: ..... 17-4 stainless steel  
 Sensor: .....Aluminum 6061-T6  
 Sensor insert: ..... 17-4 stainless steel  
 Remaining parts: .....300 Series stainless steel,  
                           PTFE®, Buna-N, Ethylene Propylene  
  
*For other materials and modifications, please contact Tescom.*
  
- Connections: ..... 1/4" NPT inlet, 3/8" NPT outlet
  
- Weight (approximate): ..... 0.6 kg

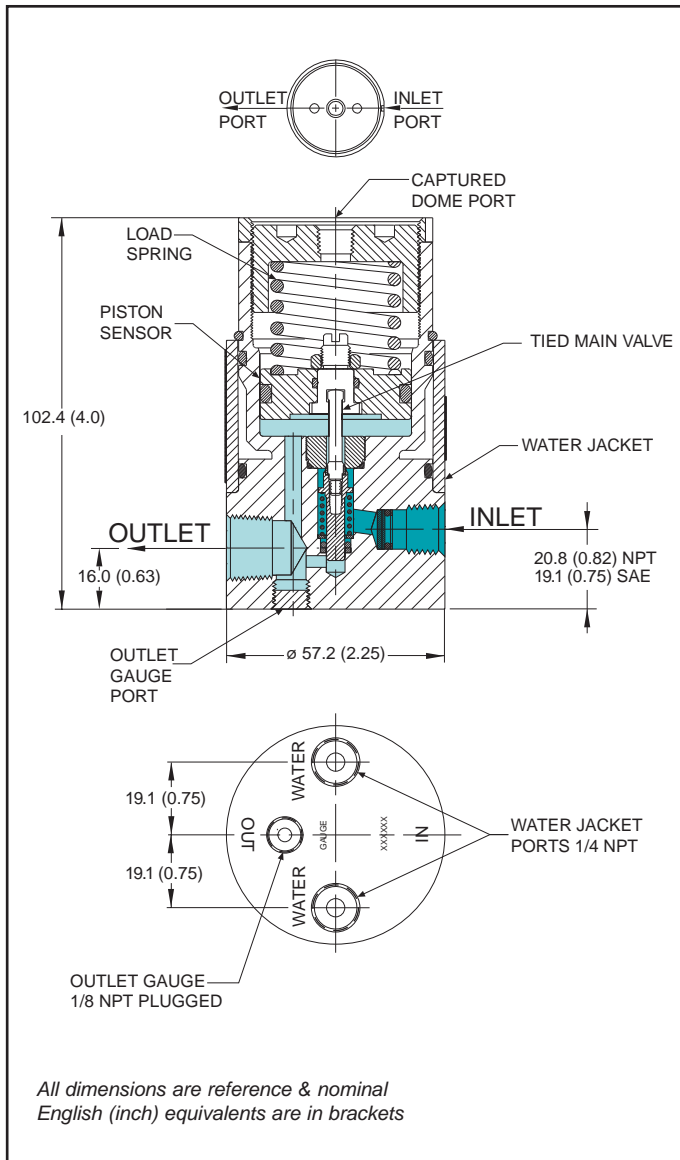


## Advantages

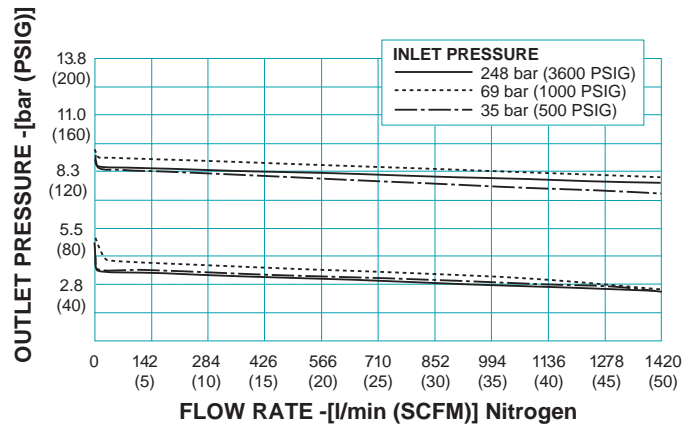
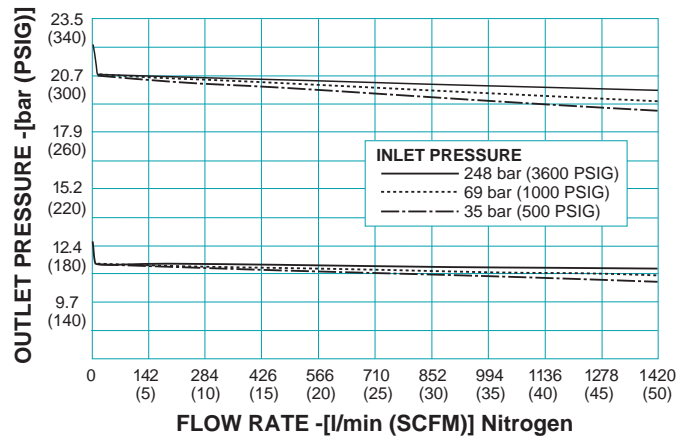
- Piston-sensed design provides a long service life and enhanced safety
- High flow, low pressure drop with balanced valve design
- Lightweight, precision machined aluminum construction
- Used in diverse applications under a wide range of temperatures, flows and pressures
- Wide variety of preset outlet pressures available
- Freeze-up is eliminated by a heating jacket that circulates hot radiator water
- ECE R110 approved versions available

Vespel® is a registered trademark of Du Pont.

# 20-1000 Series Pre-Set / Spring Loaded / Positive Shut-off



## Flow Charts



## Part Number Selector

Example part number:

20-10 3 1 - 2 9 01

BASIC SERIES	BODY MATERIAL	MAX. OUTLET PRESSURES bar (PSIG)	SET PRESSURE RANGES bar (PSIG)	PORT TYPE	INLET & OUTLET SIZE	SET PRESSURE bar (PSIG)		
20-10	3 - 6061-T6 Aluminum	1 - 8.6 (125)	3.4 to 6.1 (50 to 89)	1 - SAE 2 - NPT	9 - 1/4" inlet 3/8" outlet	01 - 3.4 (50)	11 - 20.7 (300)	21 - 6.1 (89)
						02 - 5.2 (75)	12 - 6.2 (90)	22 - 9.7 (140)
						03 - 6.9 (100)	13 - 12.8 (185)	23 - 34.5 (500)
						04 - 8.6 (125)	14 - 7.6 (110)	24 - 27.6 (400)
						05 - 10.3 (150)	15 - 8.3 (120)	25 - 24.1 (350)
		06 - 2.1 (175)	16 - 11.7 (170)	26 - 5.5 (80)				
		07 - 13.8 (200)	17 - 22.1 (320)	27 - 7.2 (105)				
		08 - 15.5 (225)	18 - 9.3 (135)	28 - 4.1 (60)				
		09 - 17.2 (250)	19 - 4.5 (65)	29 - 7.9 (115)				
		10 - 18.9 (275)	20 - 4.8 (70)	30 - 6.6 (95)				

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



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