

Pressure Reducing  
maximum 413 bar in / max. 350 bar out  
spring loaded / CNG application

## 44-7400 Series

### Specifications

#### ❑ Operating Parameters

Max. rated inlet pressure:

303 stainless steel: .....413 bar (6000 PSIG)

Brass: .....310 bar (4500 PSIG)

Max. outlet pressure ranges:

303 stainless steel: .....350 bar (5000 PSIG)

Brass: .....276 bar (4000 PSIG)

Design proof pressure: ..150% max. rated pressure

Leakage: ..... Bubble-tight

Ambient operating temperature: ... -17 °C to +74 °C

Flow capacity: ..... Cv = 0.8, 2.0

#### ❑ Media Contact Materials

Body:..... 303 stainless steel, brass

Main valve seat:..... CTFE, Vespel®

Back cap:..... 300 Series stainless steel

O-rings:.....Buna-N 90, Buna-N, Viton®,

Urethane, Kalrez®, Ethylene Propylene

Back-up rings:..... PTFE

Gaskets:..... CTFE

Remaining parts: ..... Typ 17-4, 300 Series SST,

17-7, Teflon® & brass

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

❑ Weight: (approximately):..... 6.3 kg

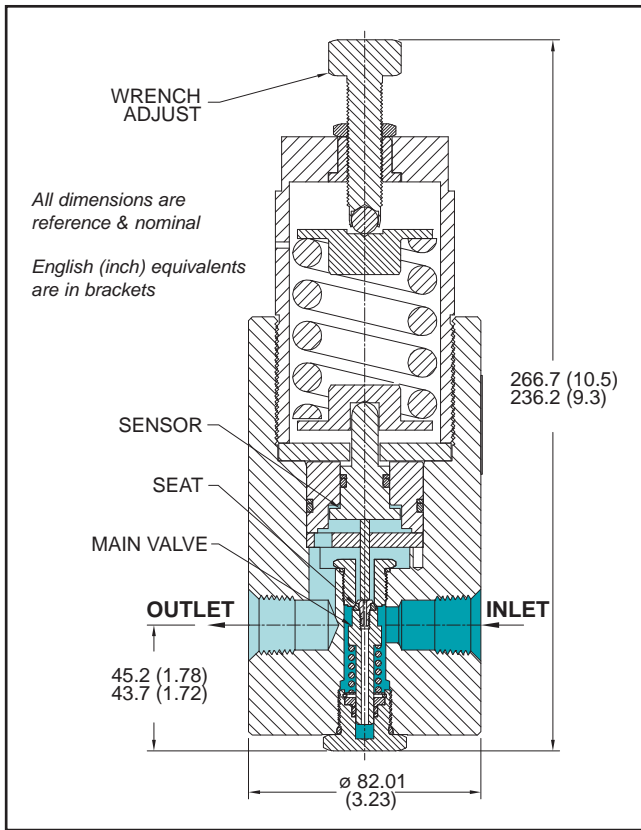


### Advantages

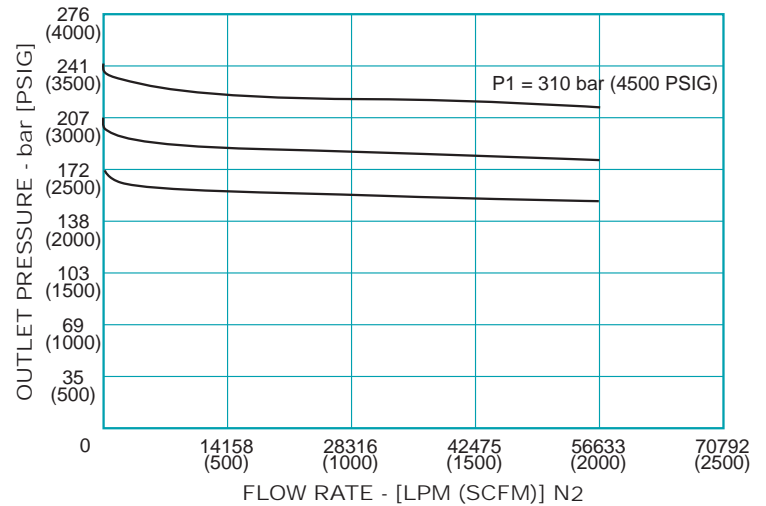
- Special design for dispensing of compressed natural gas
- Several porting configurations available
- Spring adjust, high outlet, high flow
- Balanced main valve for stable pressure control
- Modular design
- High safety and reliability
- Available in brass or stainless steel

*Teflon®, Viton®, Kalrez® and Vespel® are registered trademarks of Du Pont.*

# 44-7400 Series Pressure Reducing



## Flow Chart



## Part Number Selector

Example part number:

44-74      1                      5                      T                      2                      8                      W                      2                      3                      0

BASIC SERIES	BODY MATERIAL	MAX. INLET PRESSURE bar (PSIG)	OUTLET PRESSURE bar (PSIG)	O-RINGS MATERIAL	IN & OUT PORT TYPE	IN & OUT PORT SIZE	ADJUSTABILITY	FLOW CAPACITY	MAIN VALVE SEAT	GAUGE PORT OPTIONS
44-74	1 - Brass	310 (4500)	5 - 276 (4000)	B - Buna-N 90	1 - SAE	8 - 1/2"	W - Wrench adjust	1 - C <sub>v</sub> = 0.8 2 - C <sub>v</sub> = 2.0	3 - CTFE 7 - Vespel®	0 - No gauge ports
	2 - 303 SST	413 (6000)	6 - 350 (5000)	D - Buna-N T - Viton® U - Urethane V - Kalrez® Z - Ethylene Propylene	2 - NPT 3 - MS33649	7 - 3/4"				1 - One gauge port at 90° 2 - Two gauge ports at 60° 3 - Two gauge ports at 60° (left hand inlet) 4 - Two gauge ports at 90° 5 - One gauge port at 90° (left hand inlet)

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



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 Process Management