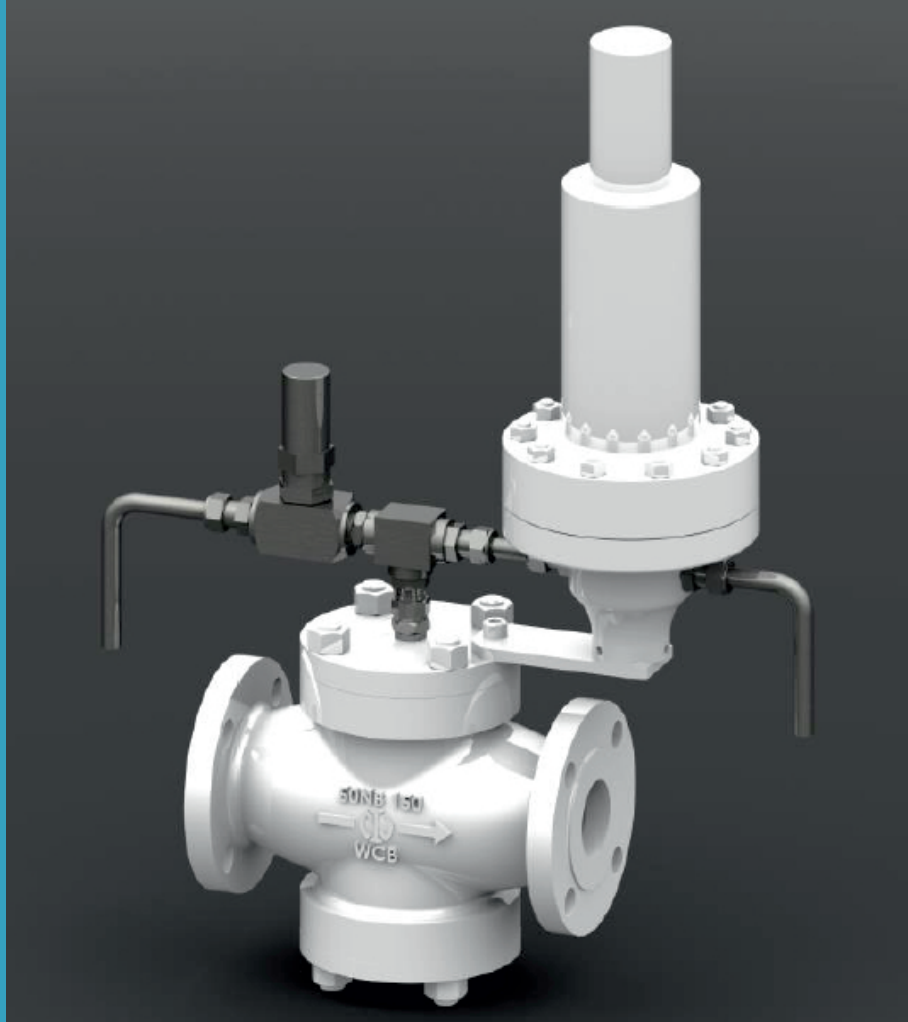


DOWNSTREAM PRESSURE REGULATORS

SERIES D41

Nirmal ™

Expertise that delivers



INTRODUCTION

The D41 Series pilot operated pressure regulators are downstream pressure control valves of rugged construction, designed specifically to handle high flow rates. Different pilot and main valve combinations are available to cover wide range of pressure and flow requirements. Valve body & trim are available in various material of construction for process fluid compatibility.

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DOWNSTREAM PRESSURE REGULATORS

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Expertise that delivers

KEY FEATURES

- **Economical Labour Saving Installation** : Connections to pilot can be provided duly tubed from the main regulator.
- **Easy to Maintain** : Compact design with minimum number of moving parts. Actuator internals, valve disc pilot & trim parts can be replaced without removing the regulator from the pipeline.
- **Active Monitoring Configuration** : These pressure reducing valves are pilot operated fail to open type & hence can be used in Active-Monitoring Configuration.
- **Tight-Shut Off Capability** : Special trim design eliminates wear & erosion of seating, providing excellent tight shut off capability over long working life.
- **Tamper Resistant** : An adjusting screw lock nut and protective cap for pilot is standard to discourage tampering with pressure setting.
- **Accuracy** : These regulators help keep constant outlet pressure to downstream equipment by accurately controlling distribution system pressure at widely varying flow rates & supply pressure for maximum efficiency & best operation.
- **High Capacity Pressure Control** : The design offers very high flow capacity at low droop values, compared to designs without pilot.

KEY FEATURES

● BODY SIZE & CONNECTIONS

Flanged End:

Flanged 1" to 10" (Higher sizes available on request)

- **Ratings** : ANSI B16.5 Class 150# & 300# (Higher ratings available on request)
- **Flow Capacities** :

| Valve Size | CV |
|--------------|-----|
| 1" (DN 25) | 12 |
| 1½" (DN 40) | 16 |
| 2" (DN 50) | 27 |
| 3" (DN 80) | 55 |
| 4" (DN 100) | 110 |
| 6" (DN 150) | 240 |
| 8" (DN 200) | 425 |
| 10" (DN 250) | 625 |

MATERIAL OF CONSTRUCTION

- **BODY** : ASTM A216 Gr. WCB, A351 Gr. CF8, A351 Gr. CF8M
- **TRIM** : SS 316 (Standard), SS 304, A351 Gr. CF8, A351 Gr. CF8M, A351 Gr. CF3, A351 Gr. CF3M, Monel, Copper, Brass
- **DISC** : Nitrile (Standard), Neoprene, Viton, Silicon
- **Temperature Capabilities** : -25°C to 175°C
- **Pressure Setting Adjustment** : May be adjusted throughout a spring range of the pilot regulator.
- **Impulse Connection** : External upstream and downstream.

• ENQUIRY SPECIFICATIONS •

- INLET PRESSURE
- OUTLET/BLANKETING PRESSURE
- LINE/NOZZLE SIZE
- MATERIAL OF CONSTRUCTION
- LIQUID STORED
- FLOW MIN./MAX
- MAX. TEMP.
- BLANKETING GAS

