

**MEDIUM FLOW, SPRING OG DOME  
LOADED, DIAPHRAGM SENSOR**

## 44-3200 Serien Trykreducerende regulator

44-3200  
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- Max indgangstryk: 207 bar
- Max udgangstryk: 13.8 bar
- Temperaturområde: -40 til 60°C
- CV: 1.0, 1.8
- Leak: Bubble-tight,  $< 2 \times 10^{-8}$  atm cc/sec He



## PRODUKT BESKRIVELSE

## Tescom 44-3200 Serien

Er en kompakt, high flow,high purity single-stage regulator specielt god til, flammable og industrial gas flows fra 5-50 SCFM / 141-1415 SLPM. Diffusion-resistant metal diaphragm seal sikre gassens renhed og integritet.

## Applikationer

- Laboratory and point-of-use gas systems
- Laser assist and resonator gases
- Glove box and isolators

## Fordele

Tilgængelig i AISI 316 rustfri stål og messing  
forskellige valgmuligheder for indgangstryk: 34.5 or 207 bar

Metal-to-metal diaphragm seal to minimize diffusion

Fem forskellige udgangstryk

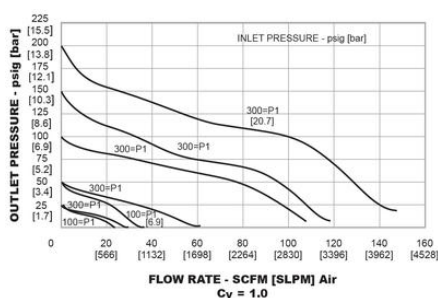
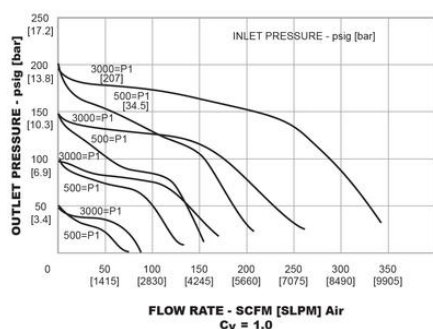
Gauge ports er standard

High flow model tilgængelig ( $C_v = 1.8$ )

Mulighed for panel monitoring

Non-venting som standard

Kan fås med flange tilslutninger



| Threaded End Connection Port Number Selection |                      |                                                     |                     |                                                    |                            |                            |                                |                                                           |  |
|-----------------------------------------------|----------------------|-----------------------------------------------------|---------------------|----------------------------------------------------|----------------------------|----------------------------|--------------------------------|-----------------------------------------------------------|--|
| 44-32                                         |                      | 1                                                   |                     | 2                                                  |                            | 8                          |                                | 1                                                         |  |
| BASIC SERIES                                  | BODY MATERIAL        | OUTLET PRESSURE RANGES                              | SOFT GOODS SEAT     | SEAL                                               | INLET AND OUTLET PORT TYPE | INLET AND OUTLET PORT SIZE | MAXIMUM INLET PRESSURE         | OPTIONS                                                   |  |
| 44-32                                         | 1 - 316 SS           | 0 - 2.5 MPa<br>① 0.1 to 0.7 MPa                     | HE - PTFE<br>- PTFE | PTFE, O-ring<br>PTFE, Spring<br>Compressed gaskets | 2 - NPT                    | 6 - 1/2"<br>8 - 1/2"       | 1 - 3000 psig<br>1 - 5000 psig | 464 - 1000 psig<br>464 - 1000 psig<br>C = 1.0<br>34.5 bar |  |
|                                               | 2 - 316L SS<br>Steel | 0 - 2.5 MPa<br>① 0.1 to 0.7 MPa<br>② 0.5 to 0.8 MPa |                     |                                                    |                            |                            |                                |                                                           |  |
|                                               |                      | 3 - 1500 psig<br>① 150.3 bar                        |                     |                                                    |                            |                            |                                | 464 - 1000 psig<br>464 - 1000 psig<br>C = 1.0             |  |
|                                               |                      | 4 - 2000 psig                                       |                     |                                                    |                            |                            |                                | 296 - 1000 psig<br>296 - 1000 psig<br>C = 1.0             |  |

Flanged End Connector Part Number Selection:

| 44-32W       | 6                            | 2                            | 1        | 1             | 52        | 1                     |
|--------------|------------------------------|------------------------------|----------|---------------|-----------|-----------------------|
| BASIC SERIES | BODY, PIPE & FLANGE MATERIAL | OUTLET PRESSURE RANGES       | DASH NO. | FLOW CAPACITY | SEAT SEAL | OPERATING TEMPERATURE |
| 44-32W       | 6 - 316/316L                 | 0 - 0.75 psig<br>0 - 7.5 bar | 1        | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 2        | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 3        | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 4        | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 5        | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 6        | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 7        | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 8        | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 9        | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 10       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 11       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 12       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 13       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 14       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 15       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 16       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 17       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 18       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 19       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 20       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 21       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 22       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 23       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 24       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 25       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 26       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 27       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 28       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 29       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 30       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 31       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 32       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 33       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 34       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 35       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 36       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 37       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 38       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 39       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 40       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 41       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 42       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 43       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 44       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 45       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 46       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 47       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 48       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 49       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 50       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 51       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 52       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 53       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 54       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 55       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 56       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 57       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 58       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 59       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 60       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 61       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 62       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 63       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 64       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 65       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 66       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 67       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 68       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 69       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 70       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 71       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 72       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 73       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 74       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 75       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 76       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 77       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 78       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 79       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 80       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 81       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 82       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 83       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 84       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 85       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 86       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 87       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 88       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 89       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 90       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 91       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 92       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 93       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 94       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 95       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 96       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 97       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 98       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 99       | 1.0           | PTFE      | PTFE                  |
|              |                              | 0 - 0.75 psig<br>0 - 7.5 bar | 100      | 1.0           | PTFE      | PTFE                  |

