

# Offshore Valves

## Type 27522 - Pneumatic Actuator - Control Valve



### Pneumatic Actuators for Control Valves

Actuator - **spring to open**, air to close

maximum air pressure for operation 6.0 bar g

**"cleaned and degreased for oxygen service"**

**Ambient temperature limit:** -40°C / -40°F (233K) up to +80°C / 176°F (353K)

### Overview - required actuator sizes for differential pressures

| DN  | Differential pressure in bar |      |      |      |      |      |      |      |      |
|-----|------------------------------|------|------|------|------|------|------|------|------|
|     | 1.0                          | 5.1  | 13.1 | 15.1 | 21.1 | 23.1 | 29.1 | 34.1 | 37.1 |
|     | -                            | -    | -    | -    | -    | -    | -    | -    | -    |
|     | 5.0                          | 13.0 | 15.0 | 21.0 | 23.0 | 29.0 | 34.0 | 37.0 | 50.0 |
| 10  | B                            | B    | B    | B    | B    | B    | B    | B    | B    |
| 15  | B                            | B    | B    | B    | B    | B    | B    | B    | B    |
| 20  | B                            | B    | B    | B    | B    | B    | B    | B    | B    |
| 25  | B                            | B    | B    | B    | B    | B    | B    | B    | B    |
| 32  | B                            | B    | B    | B    | B    | B    | B    | B    | C    |
| 40  | B                            | B    | B    | B    | B    | B    | B    | C    | C    |
| 50  | C                            | C    | C    | C    | C    | C    | C    | C    | C    |
| 65  | C                            | C    | C    | C    | C    | C    | -    | -    | -    |
| 80  | C                            | C    | C    | C    | -    | -    | -    | -    | -    |
| 100 | C                            | C    | -    | -    | -    | -    | -    | -    | -    |
| 150 | -                            | -    | -    | -    | -    | -    | -    | -    | -    |



The differential pressures are based on the flow direction of the valve.

Differential pressures against the flow direction have to be requested separately.

| Code in Table | Part No.        | Actuator |
|---------------|-----------------|----------|
| B             | 27522.35B6.6GPS |          |
| C             | 27522.60A6.6GPS |          |

| Materials       | DIN EN | ASTM              |
|-----------------|--------|-------------------|
| 1 Body          | 1.4571 | A 240 Grade 316Ti |
| 2 Body          | 1.4571 | A 240 Grade 316Ti |
| 3 Diaphragm     | EPDM   |                   |
| 4 Springs       | 1.7102 | AISI 9254         |
| 5 Actuator stem | 1.4404 | A 276 Grade 316L  |
| 6 Coupling      | 1.4571 | A 240 Grade 316Ti |

| Type 27522           | Technical data  |            |           |
|----------------------|-----------------|------------|-----------|
| Part No. Actuator    | 27522           |            |           |
|                      | .35B6.6GPS      | .60A6.6GPS |           |
| Diameter Actuator    | M               | 210        | 310       |
| Height               | H               | 276        | 309       |
| Height               | H1              | 136        | 166       |
| Thread               | G               | 1/4" NPT   | 1/4" NPT  |
| Diaphragm area       | cm <sup>2</sup> | 280        | 530       |
| Spring rage          | bar             | 0.8 - 3.0  | 0.8 - 2.8 |
| Minimum air pressure | bar             | 6.0        | 6.0       |
| Regulating lift      | mm              | 35         | 40        |
| Weight               | ca. kg          | 5.0        | 12.5      |

Dimensions in mm.

