

## 4500 SERIES ANCILLARY VALVES QUICK EXHAUST & SHUTTLE VALVES



- Specifically designed for Severe Offshore Environments

- 5 sizes of quick exhaust valve available

- Ambient Temperature Range -20°C to +70°C

(Low temperature version -50°C)

- 316 Stainless Steel construction

### General Description

Quick Exhaust Valves - 316 Stainless Steel construction available in 5 sizes.

Shuttle Valves - 316 Stainless Steel for three way "OR" function

#### Cv (Kv)

Quick Exhaust Valve (supply to outlet)

- 1/4" - 1.3 Cv (20 Kv)
- 3/8" - 1.8 Cv (28 Kv)
- 1/2" - 3.8 Cv (59 Kv)
- 3/4" - 4.5 Cv (70 Kv)
- 1" - 7.8 Cv (120 Kv)

Quick Exhaust Valve (outlet to exhaust)

- 1/4" - 2.8Cv (43 Kv)
- 3/8" - 3.8 Cv (59 Kv)
- 1/2" - 5.5 Cv (85 Kv)
- 3/4" - 6.5 Cv (100Kv)
- 1" - 11.0 Cv (170 Kv)

Shuttle Valve

- 1/4" - 1.36 Cv (21 Kv)

#### Working Pressure

- 12 bar (174 psi)

#### Maximum Flow

- 6 bar (87 psi), 1 bar (14.5 psi) differential

Quick Exhaust Valve (supply to outlet)

- 1/4" - 1290 L/Min (46 SCFM)
- 3/8" - 1810 L/Min (64 SCFM)
- 1/2" - 3810 L/Min (135 SCFM)
- 3/4" - 4520 L/Min (160 SCFM)
- 1" - 7700 L/ Min (274 SCFM)

Quick Exhaust Valve (outlet to exhaust)

- 1/4" - 2780 L/Min (98 SCFM)
- 3/8" - 3810 L/Min (135 SCFM)
- 1/2" - 5490 L/Min (194 SCFM)
- 3/4" - 6460 L/Min (228 SCFM)
- 1" - 11000 L/Min (388 SCFM)

Shuttle Valve

- 1/4" - 1350 L/Min (45 SCFM)

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### Operating Medium

- *Gases* - Filtered lubricated or non lubricated air, inert gas, sweet (natural) gases. Sour gas option available.
- *Liquids* - Low pressure hydraulic, mineral oil or water.

### Note:

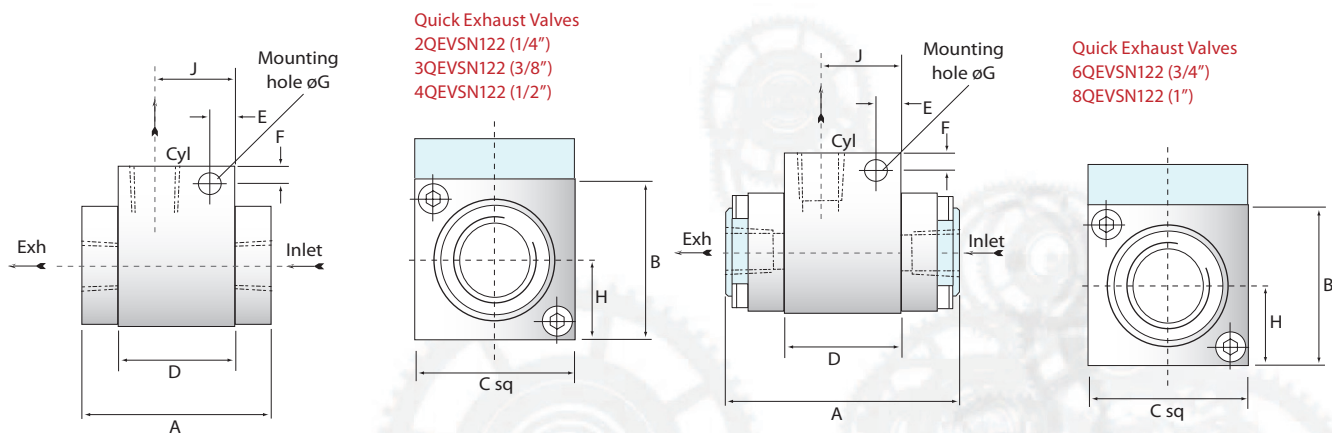
- All dimensions given in mm

### Construction Materials

- Body: 316 Stainless Steel
- Internals: 316 Stainless Steel
- Spring: 316 Stainless Steel
- Seals: Nitrile

### Working Temperature Range

- -20°C to +70°C (-4°F to +158°F)
- *Low temperature version*  
-50°C (-58°F) (optional)



| THREAD   | A   | B  | C  | D  | E  | F   | G   | H    | J  |
|----------|-----|----|----|----|----|-----|-----|------|----|
| 1/4" NPT | 52  | 38 | 32 | 32 | -  | -   | -   | 16   | 22 |
| 3/8" NPT | 60  | 42 | 35 | 35 | -  | -   | -   | 17.5 | 23 |
| 1/2" NPT | 70  | 55 | 45 | 45 | 10 | 6.5 | 8.5 | 22.5 | 31 |
| 3/4" NPT | 102 | 70 | 54 | 54 | 10 | 12  | 8.5 | 27   | 35 |
| 1" NPT   | 114 | 99 | 74 | 74 | 19 | 12  | 11  | 37   | 52 |

