

## VPLDSMAR – DRUVA®PUR SHUT-OFF VALVE

VALVE | PURE LINE (BRASS CHROME PLATED) | 20 m³ SERIES | DIAPHRAGM SHUT-OFF VALVE  
| MANUAL ACTUATION | 2-PORT VERSION



2-port metal diaphragm shut-off valve is used in supply systems for pure, inert, flammable, oxidizing gases and gas mixtures. Not usable for corrosive and toxic gases and gas mixtures. Maximum gas purity is 6.0.

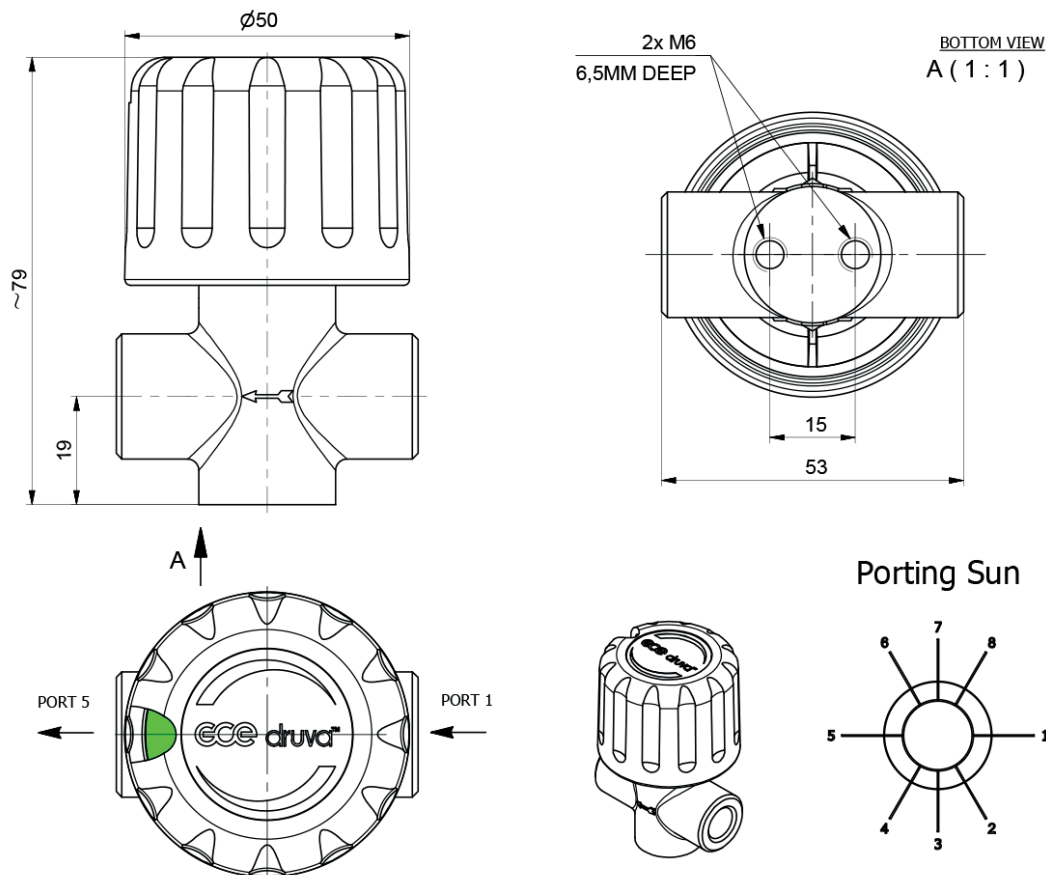


### SPECIAL FEATURES:

- > Elgiloy diaphragm tightening system to atmosphere
- > Compact design

| TECHNICAL DATA                                                                                                                           |                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| <b>Working temperature:</b>                                                                                                              | -20 °C to +60 °C                                               |
| <b>Inlet / outlet ports:</b>                                                                                                             | 1/4" NPT female<br>Further connections – see technical drawing |
| <b>Max. working pressure:</b>                                                                                                            | 300 bar                                                        |
| <b>Cv-value:</b>                                                                                                                         | 0,25                                                           |
| <b>Seat diameter:</b>                                                                                                                    | 5 mm                                                           |
| <b>Leakage rate seat:</b>                                                                                                                | $\leq 1 \times 10^{-6}$ mbar l/s (Helium)                      |
| <b>Leakage rate outside:</b>                                                                                                             | $\leq 1 \times 10^{-9}$ mbar l/s (Helium)                      |
| <b>Filter</b>                                                                                                                            | 1x for each inlet<br>1x for each outlet                        |
| <b>Weight:</b>                                                                                                                           | 0,33 kg                                                        |
| <b>Material gas wetted parts:</b>                                                                                                        |                                                                |
| <b>Valve body:</b>                                                                                                                       | Brass chrome plated                                            |
| <b>Valve diaphragm:</b>                                                                                                                  | 2x Elgiloy                                                     |
| <b>Valve seat:</b>                                                                                                                       | PCTFE                                                          |
| <b>Valve poppet:</b>                                                                                                                     | Brass                                                          |
| For detailed information on tests and approvals during development and production of our TEC/PUR series see <b>DATA-SpecGeneral-EN</b> . |                                                                |

## TECHNICAL DRAWING



N14F - NPT1/4" female  
 0000 - Without (Port 3 and Port 7)  
 M03B - Compression Fitting  $\varnothing$  3MM Brass  
 M06B - Compression Fitting  $\varnothing$  6MM Brass  
 M08B - Compression Fitting  $\varnothing$  8MM Brass  
 M10B - Compression Fitting  $\varnothing$  10MM Brass  
 M12B - Compression Fitting  $\varnothing$  12MM Brass

M03S - Compression Fitting  $\varnothing$  3MM SST  
 M06S - Compression Fitting  $\varnothing$  6MM SST  
 M08S - Compression Fitting  $\varnothing$  8MM SST  
 M10S - Compression Fitting  $\varnothing$  10MM SST  
 M12S - Compression Fitting  $\varnothing$  12MM SST  
 IX2B - Compression Fitting  $\varnothing$  1/8" Brass  
 IX4B - Compression Fitting  $\varnothing$  1/4" Brass

IX6B - Compression Fitting  $\varnothing$  3/8" Brass  
 IX8B - Compression Fitting  $\varnothing$  1/2" Brass  
 IX2S - Compression Fitting  $\varnothing$  1/8" SST  
 IX4S - Compression Fitting  $\varnothing$  1/4" SST  
 IX6S - Compression Fitting  $\varnothing$  3/8" SST  
 IX8S - Compression Fitting  $\varnothing$  1/2" SST

## ORDER CODE:

Example for a Valve | PUR Linie | Brass Chrome Plated | Low Flow | Diaphragm Shut-off Valve | Manual Actuation | 2-Port Version

| VPL | DS                          | M         | AR                       | GX                     | N14F<br>(1/4" NPT female)                        | 0000              | N14F<br>(1/4" NPT female) | 0000              |
|-----|-----------------------------|-----------|--------------------------|------------------------|--------------------------------------------------|-------------------|---------------------------|-------------------|
|     | Type                        | Actuation | Porting Code             | Working Pressure (bar) | Connection Port 1                                | Connection Port 3 | Connection Port 5         | Connection Port 7 |
|     | DS Diaphragm Shut-off Valve | M Manual  | AR 2-Port (1 In   5 Out) | F1 130 *               | possible connection<br><br>see technical drawing | 0000 without      | possible connection       | 0000 without      |
|     |                             |           |                          | GX 300 **              |                                                  |                   | see technical drawing     |                   |
|     |                             |           |                          |                        |                                                  |                   |                           |                   |

\* only brass fittings

\*\* only stainless steel fittings

Order code (as described above) without special characters or spaces! Complete Order Code **VPLDSMARGXN14F0000N14F0000**



Link to online product configurator