

REDLINE® cylinder regulators C 300/2. Two-stage regulator.



C 300/2

Description C 300/2 is a dual stage cylinder regulator for specialty gases. A dual stage regulator is used when a very stable downstream pressure is needed despite a decreasing inlet pressure of compressed gases. C 300/2 can be plain or equipped with shut off valve (type A), a metering valve (type B) or with upstream purge (type P). The C300 can be ordered as a 200 or 300 bar regulator.

| Product name | bar | psi | HiQ® code (brass) | HiQ® code (stainless steel) |
|--------------|--------------|---------------|-------------------|-----------------------------|
| C 300/2 | 0.2-1 | 3-14 | 7180 | 7186 |
| C 300/2 | 0.2-3 | 3-45 | 7150 | 7165 |
| C 300/2 | 0.5-10 | 8-145 | 7151 | 7166 |
| C 300/2 | 1-16 | 14-232 | 7152 | 7167 |
| C 300/2 A | 0.2-1 | 3-14 | 7182 | 7187 |
| C 300/2 A | 0.2-3 | 3-45 | 7153 | 7168 |
| C 300/2 A | 0.5-10 | 8-145 | 7154 | 7169 |
| C 300/2 A | 1-16 | 14-232 | 7155 | 7170 |
| C 300/2 B | 0.2-1 | 3-14 | 7183 | 7188 |
| C 300/2 B | 0.2-3 | 3-45 | 7156 | 7171 |
| C 300/2 B | 0.5-10 | 8-145 | 7157 | 7172 |
| C 300/2 B | 1-16 | 14-232 | 7158 | 7173 |
| C 300/2 P | 0.2-1 | 3-14 | 7184 | 7189 |
| C 300/2 P | 0.2-3 | 3-45 | 7159 | 7174 |
| C 300/2 P | 0.5-10 | 8-145 | 7160 | 7175 |
| C 300/2 P | 1-16 | 14-232 | 7161 | 7176 |
| C200 hv/2* | 0.1-2 (abs.) | 1.5-30 (abs.) | 5441 | 5447 |
| C200 hv/2 A* | 0.1-2 (abs.) | 1.5-30 (abs.) | 5443 | 5449 |

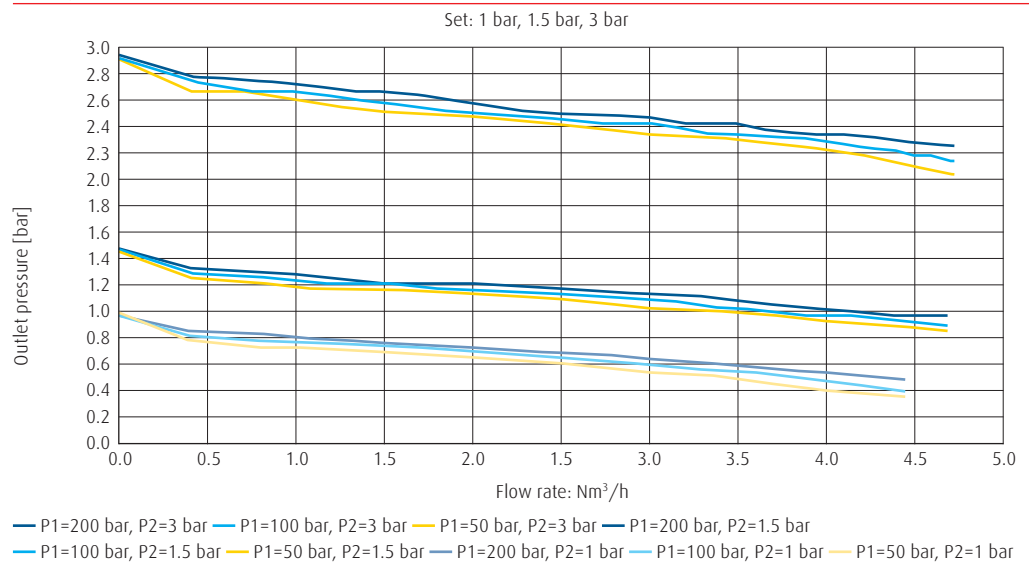


*Pressure range 200 bar. Can be regulated in vacuum e.g. -0.9-1 bar in normal pressure.

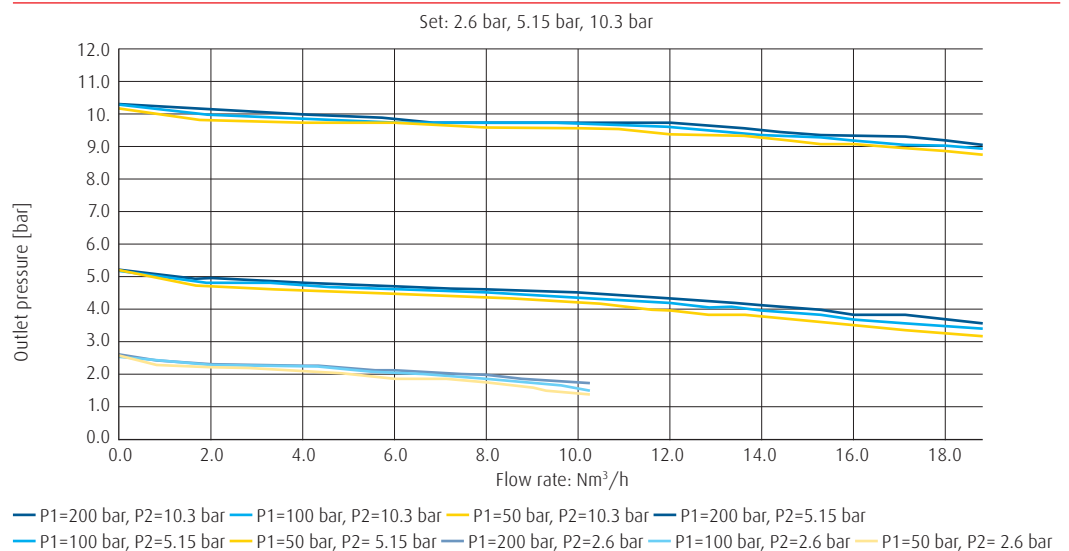
Technical data

| | | |
|------------------------|---|----------------------|
| Max primary pressure | 7-300 bar | 101.5-4351 psi |
| Outlet pressure | 0.2-1 bar | 3-14 psi |
| | 0.2-3 bar | 3-45 psi |
| | 0.5-10 bar | 8-145 psi |
| | 1-16 bar | 14-232 psi |
| Outlet gauge range | -1-5 bar (for 0.2-1 bar and 0.2-3 bar outlet pressure) | -14.5-75 psi |
| | -1-18 bar (for 0.5-10 bar outlet pressure) | -14.5-261 psi |
| | 0-25 bar (for 1-16 bar outlet pressure) | 0-363 psi |
| Stability | When the inlet pressure drops by 10 bar (145 psi) the outlet pressure rises by less than 0.01 bar, 0.1 psi. | |
| Connection | Out = 6mm compression fitting (others on option) | |
| Operating temperature | -20-+70 °C | -4-+140 °F |
| Weight | 1.3 kg | 2.21 lb |
| Material: | | |
| - Housing | Brass/Ni/Cr plated | Stainless steel 316L |
| - Seal, relief valve | FKM | FKM |
| - Membrane (diaphragm) | Stainless Steel | Hastelloy® |
| - Seat Seal | PCTFE | PCTFE |

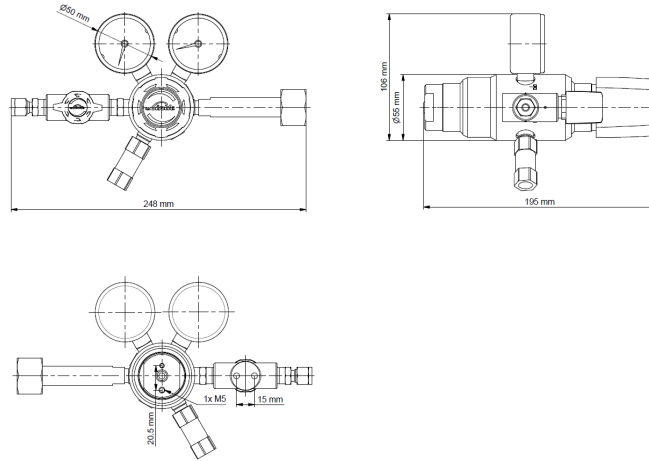
Flow curves C 300/2-3 bar



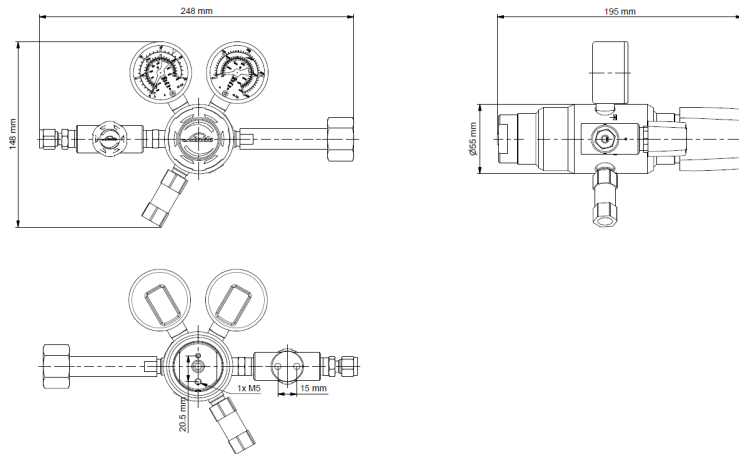
C 300/2-10 bar



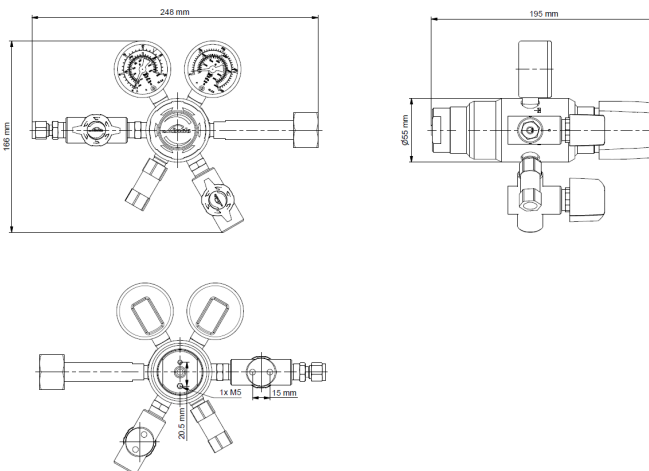
Drawings



C 300/2 A



C 300/2 B



C 300/2 P