



The 400 SERIES valves are suitable for low pressure systems (0.5 ÷ 1.5 bar), and high pressure systems (0.5 ÷ 7.5bar). The Series 400 is a range of diaphragm valve suitable for Dust collector applications, in particular for reverse pulse jet filter cleaning of filter bags, cartridges, envelope filters, ceramic filters and sintered metal fibre filters. These valves have been designed to be installed flat surfaces or square/rectangular tanks. They are called “full immersion” because they draw the compressed air directly from the tank, with higher pneumatic performance. Upon request they can be supplied complete with the blow tube and counter flange. The valve is fixed to the tank with a special counter flange and fixing screws. The 2, 2 1/2" and 3" are all double diaphragm valves; the 1 1/2" model can be single or double diaphragm valve. The valves are constructed in die-cast aluminium and have an anodised protection treatment which protect them from corrosive and environmental agents. Bolts and screws are in stainless steel. The 400 Series is available in the following versions:

- VNP, with integrated solenoid pilot
- VEM, with remote pneumatic connection.

| TYPE | Port size O | N° Diaph. | Pressure range (bar) | | Weight Kg. | Coil | Kv | Cv |
|---------|-------------|-----------|----------------------|-----|------------|------|------|------|
| | | | min. | max | | | | |
| VNP408 | 1" | 1 | 0.5 | 7.5 | 0.7 | YES | 26.3 | 30.6 |
| VNP412 | 1 1/2" | 1 | 0.5 | 7.5 | 1.4 | YES | 56.2 | 65.3 |
| VNP414 | 1 1/2" | 2 | 0.5 | 7.5 | 1.45 | YES | 61.3 | 71.3 |
| VNP416 | 2" | 2 | 0.5 | 7.5 | 2.3 | YES | 110 | 128 |
| VNP420 | 2 1/2" | 2 | 0.5 | 7.5 | 3.3 | YES | 210 | 240 |
| VNP424 | 3" | 2 | 0.5 | 7.5 | 3.3 | YES | 260 | 300 |
| VEM408 | 1" | 1 | 0.5 | 7.5 | 0.4 | NO | 26.3 | 30.6 |
| VEM412" | 1 1/2" | 1 | 0.5 | 7.5 | 1.1 | NO | 56.2 | 65.3 |
| VEM414 | 1 1/2" | 2 | 0.5 | 7.5 | 1.6 | NO | 61.3 | 71.3 |
| VEM416 | 2" | 2 | 0.5 | 7.5 | 2 | NO | 110 | 128 |
| VEM420 | 2 1/2" | 2 | 0.5 | 7.5 | 3 | NO | 210 | 240 |
| VEM424 | 3" | 2 | 0.5 | 7.5 | 3 | NO | 260 | 300 |

