# **Relief and Anti-cavitation Valves**

## **IRRO.M20** Valve Series

## METRIC Cartridge - 420 bar

### **Direct acting with anti-cavitation - Poppet Type**

#### Description

The IRR valve combines in one compact insert cartridge the typical function of shock relief valve and anticavitation through the check valve. In the pressure relief function it's a side-in nose-exhaust valve, with very low pressure rise thanks to the smart deflector design. When the pressure at the high pressure inlet (1) reaches the valve setting, the valve starts to open to tank (2).

In the free reverse flow function a very light bias spring allows for ease of flow passage from nose to side (2 to 1).

High precision machining guarantees quick response to load changes, limited hysteresis and reduced internal and external leakage.

#### **Technical Features**

All external surfaces are zinc plated and corrosion-proof.

All valve parts are made of high strength steel. Both internal and external poppets are hardened and ground to guarantee minimal wear and to extend service life.

Pressure setting is ADJUSTABLE.

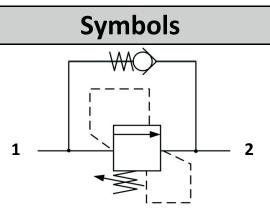
Optional spring ranges to 420 bar (6000 psi)

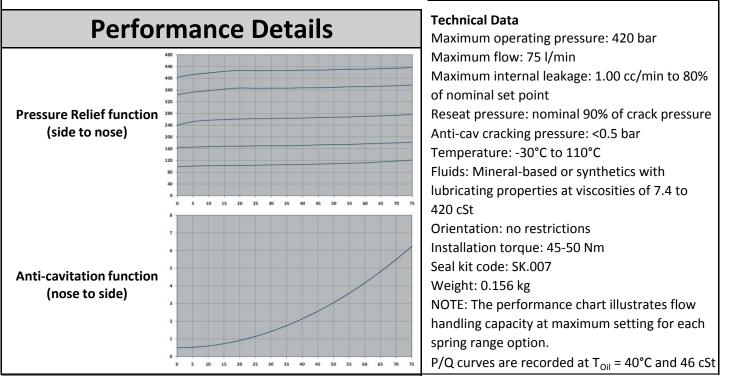
Back pressure on the tank port (port 2) is directly additive to the valve setting at a 1:1 ratio.

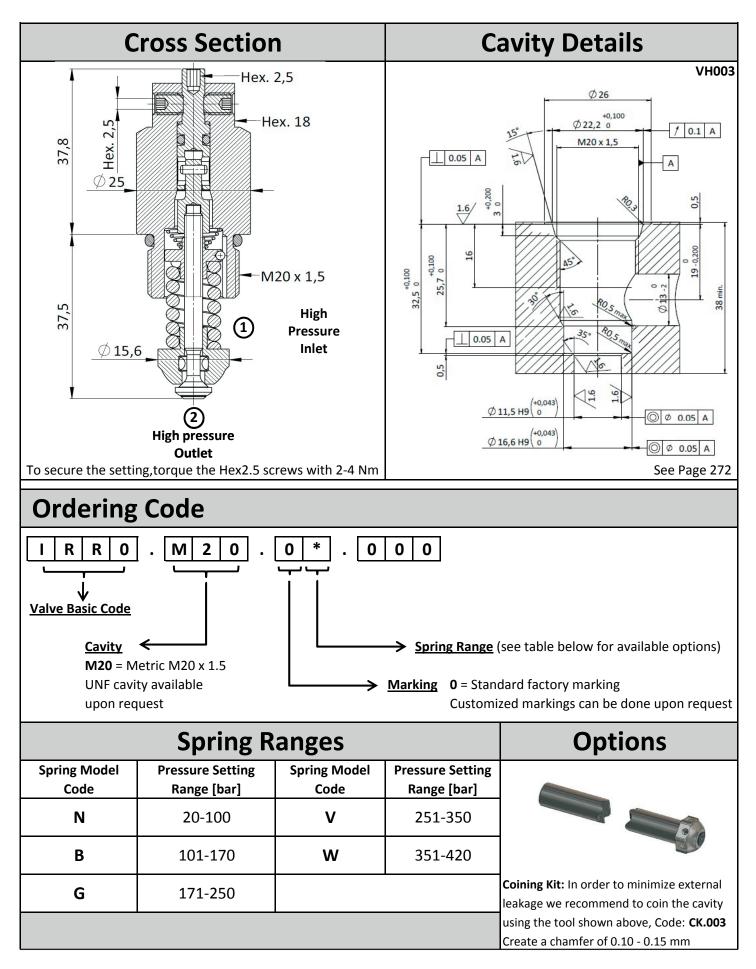
Metric cavity.

1-piece design









Specifications may change without notice.