



**A02D2F**  
**A02D2H**  
**A02D2M**

UP TO  
AND

**60** L/MIN  
**350** BAR

**16** USGPM  
**5000** PSI



# RELIEF VALVE

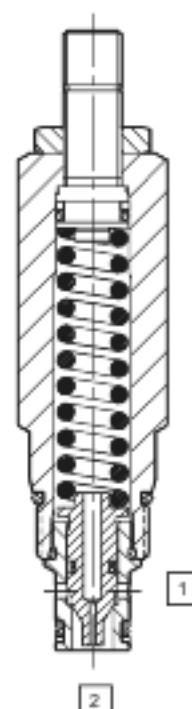
## DIRECT ACTING, POPPET TYPE, SIDE TO NOSE

- Fast response with good stability.
- Virtually leak-free.
- High flow capacity.
- Minimal pressure variation with flow change.
- Industry common cavity. (Note: flow blocked 2→1)
- Hardened working parts for maximum durability.
- Adjustable, preset and tamperproof versions available.

### OPERATION

The adjustable spring-loaded poppet is shifted at valve setting by pressure on port [1] allowing relief flow to port [2].

Reverse flow, [2] to [1], is blocked. Back pressure on port [2] adds to the valve setting.



## SPECIFICATIONS

| BASIC MODEL NUMBER            | A02D2F                                                                                       | A02D2H                       | A02D2M                         |
|-------------------------------|----------------------------------------------------------------------------------------------|------------------------------|--------------------------------|
| SYMBOL                        |                                                                                              |                              |                                |
| RATED FLOW                    | 60 l/min<br>16 USgpm                                                                         |                              |                                |
| PRESSURE                      | 2 - 100 bar<br>29 - 1450 psi                                                                 | 5 - 210 bar<br>72 - 3000 psi | 50 - 350 bar<br>725 - 5000 psi |
| MAX. REVERSE PRESSURE         | 420 bar<br>6000 psi                                                                          |                              |                                |
| SENSITIVITY: PRESSURE/TURN    | 13 bar<br>185 psi                                                                            | 28 bar<br>400 psi            | 37 bar<br>530 psi              |
| FLUID *                       | MINERAL OIL OR SYNTHETIC FLUID<br>WITH LUBRICANT PROPERTIES                                  |                              |                                |
| IDEAL VISCOSITY *             | 15 - 50 cSt<br>80 - 230 SSU                                                                  |                              |                                |
| SEAL MATERIAL / TEMPERATURE * | NITRILE (Std.) -30°C to +100°C<br>-20°F to +210°F<br>VITON -20°C to +150°C<br>-4°F to +330°F |                              |                                |
| FILTRATION *                  | 25 MICRONS (Nom.) OR BETTER                                                                  |                              |                                |
| WEIGHT                        | 0.20 kg 0.44 lb                                                                              |                              |                                |
| CAVITY                        | CAV02-2                                                                                      |                              |                                |

\* IMPORTANT: See pages 582-583 for additional notes on operating conditions.

Specifications may change without notice

## TYPICAL PERFORMANCE

Measured at 30 cSt 140 SSU (For cartridge only)

