

## DB4 Series Pressure Relief Valves



### Specifications

#### Operating Pressure Range

Inlet (Port 1): to 9,000 psi (630 bar)  
 Outlet (Port 2): to 5,000 psi (350 bar)

#### Nominal Flow

8 gpm (30 l/min)

#### Operating Temperature Range

-4° to 176°F (-20° to 80°C)

#### Recommended Media

General Purpose Hydraulic Fluid

#### Viscosity Range

35 SUS to 3700 SUS

#### Filtration Rating

20 Micron Absolute

#### Materials

**Valve Body:** High Strength Carbon Steel

**Valve Poppet:** Hardened and Polished Alloy Steel

**Line Body:** Carbon Steel

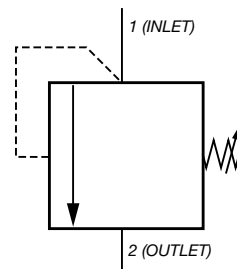
#### Cavity

06020 Cavity (see page 64 for more information)

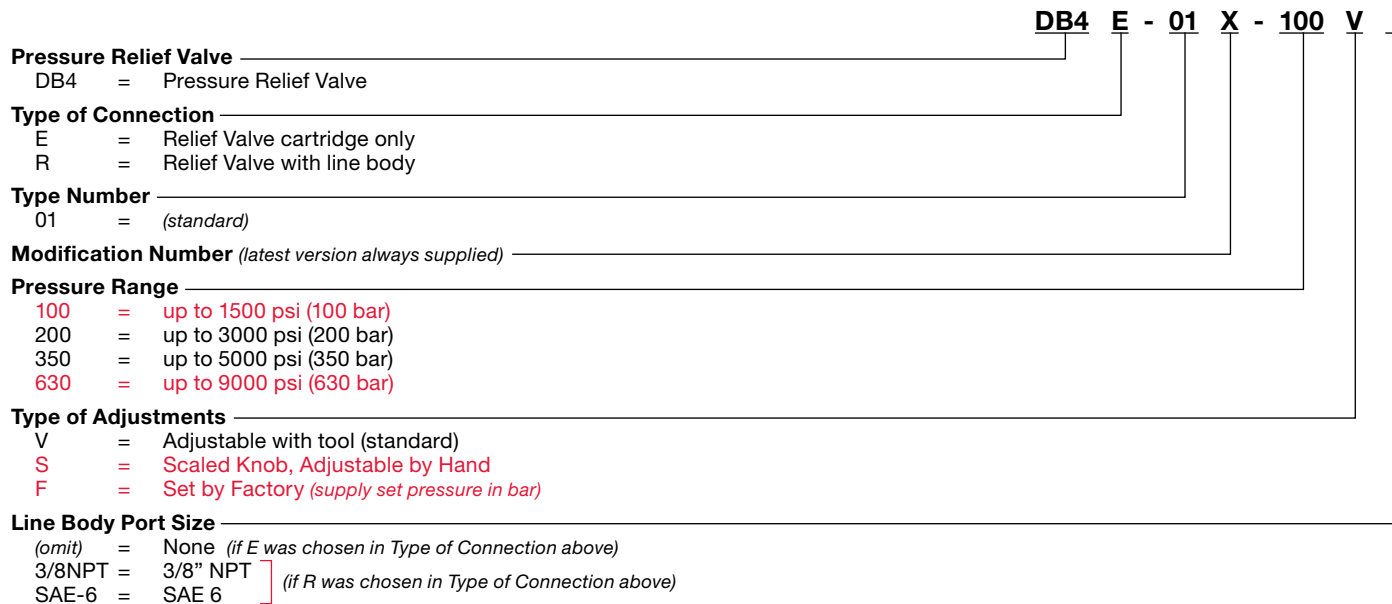
### Features

- Direct acting Poppet design
- Low noise level
- Fast response
- Low Hysteresis
- Long service life
- Fluoroelastomer seal standard

### Hydraulic Symbol



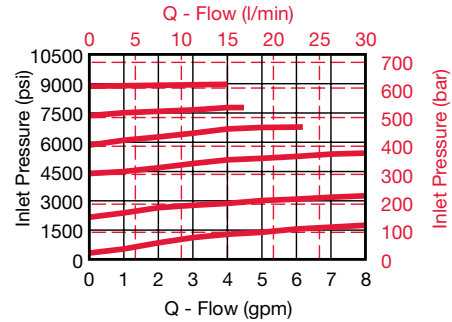
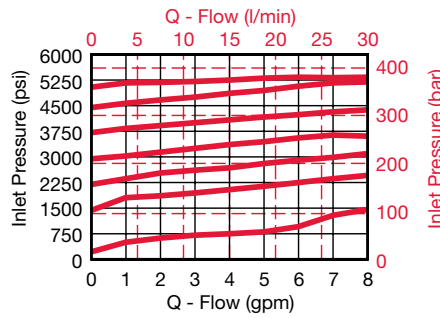
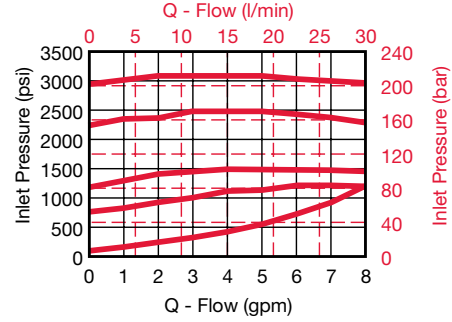
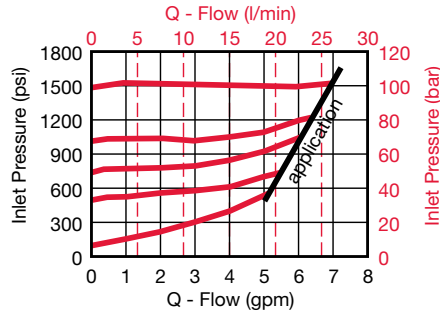
### Model Code



Model Codes containing selections listed in RED are non-standard items – Minimum quantities will apply – Contact HYDAC for information and availability  
 Not all combinations are available

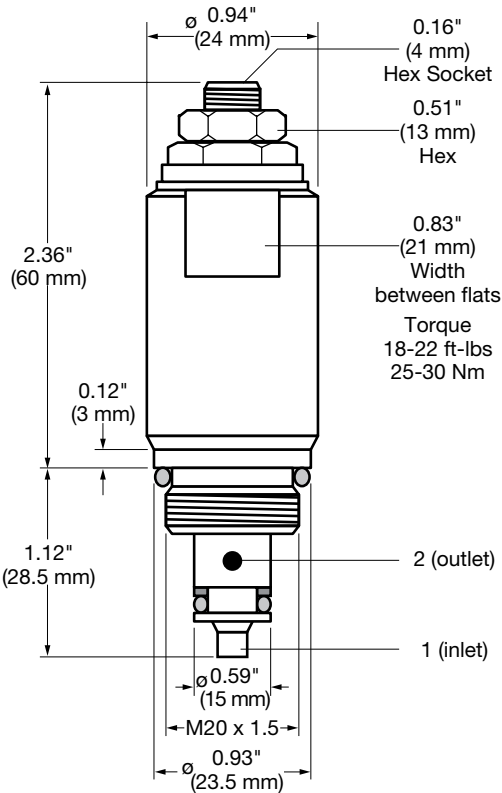
## Adjustment Curves for Nominal Flow Rates

Viscosity = 170 SUS @ 120°F

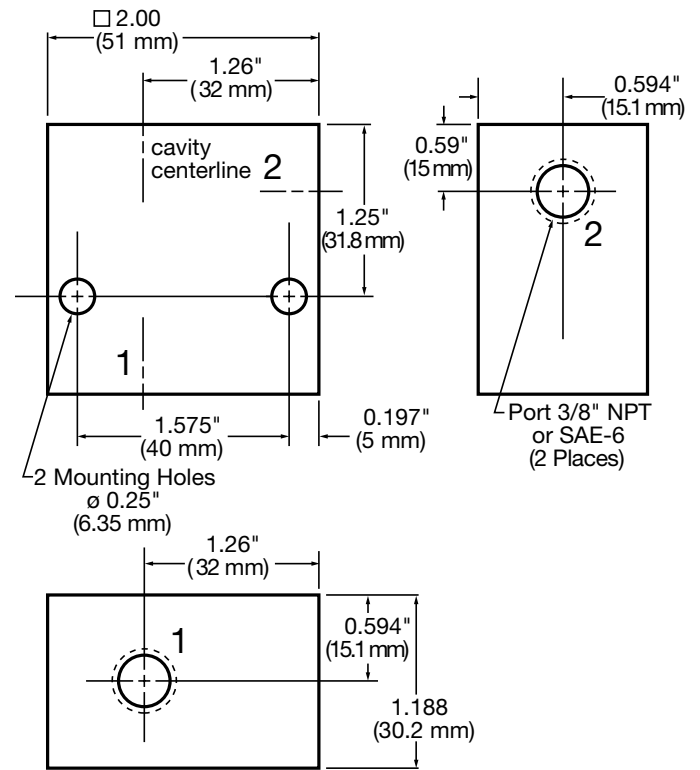


## Dimensions

### Relief Valve



### Valve Line Body, 06020 Cavity



Block with 3/8" NPT Ports: 02056007

Block with SAE-6 Ports: 02580404

Dimensions are for general information only, all critical dimensions should be verified by requesting a certified print.  
Dimensions are in inches/(mm)