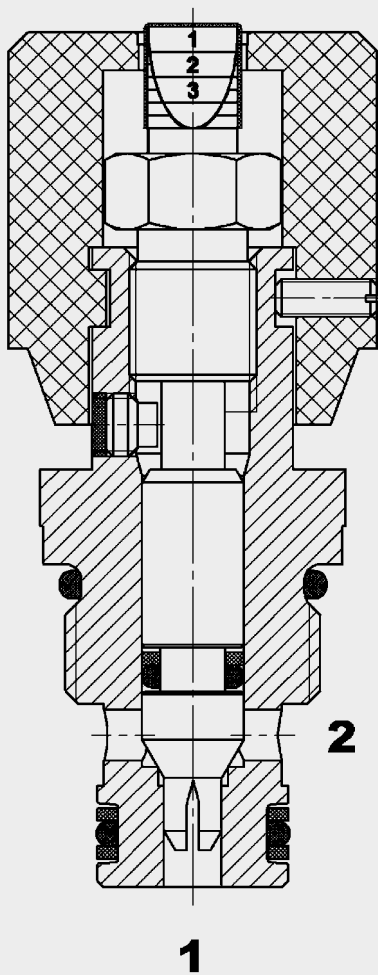


Up to 30 l/min  
Up to 350 bar

## Flow Control Valve Direct Acting Metric Cartridge – 350 bar DV5E

### FUNCTION



The DV5E is a flow control valve which controls the flow rate by means of an adjustable spindle. The flow rate is dependent on the pressure differential and the viscosity.

Starting with the control spindle in the fully closed position, the flow rate increases according to the relevant curve as the number of turns of the control knob is increased.

The flow is controlled in both directions. The scale and coloured rings on the top of the control knob enable accurate repeat setting.

### FEATURES

- ⌘ For regulating the speed of loads
- ⌘ For fine adjustment and shut-off of the flow
- ⌘ For system-related damping in hydraulic circuits
- ⌘ High level of safety is achieved through spindle safety mechanism
- ⌘ A set-screw locks the setting
- ⌘ Optional zinc-plated version available

### SPECIFICATIONS

Operating pressure:	max. 350 bar
Nominal flow:	30 l/min
Media operating temperature range:	min. -20 °C to max. +100 °C
Ambient temperature range:	min. -20 °C to max. +100 °C
Fluid:	Hydraulic oil to DIN 51524 Part 1 + 2
Viscosity:	min. 2.8 mm <sup>2</sup> /s to max. 380 mm <sup>2</sup> /s
Filtration:	Class 21/19/16 to ISO 4406 or cleaner
MTTF <sub>d</sub> :	150 years
Installation:	No orientation restrictions, preferably horizontal
Materials:	Valve body: steel Piston: steel Seals: FKM (standard) NBR (optional, temperature range to -30 °C)
	Back-up rings: PTFE
Cavity:	06020
Weight:	0.11 kg

## MODEL CODE

**DV5E - 01 X**

Basic model \_\_\_\_\_  
Flow control valve, metric

### Type

- 01 = standard (phosphated, seals FKM)
- 02 = zinc-plated, seals NBR
- 04 = zinc-plated, seals FKM
- 11 = fine throttle spindle (phosphated, seals FKM)

### Series

(determined by manufacturer)

## Standard models

### Model code

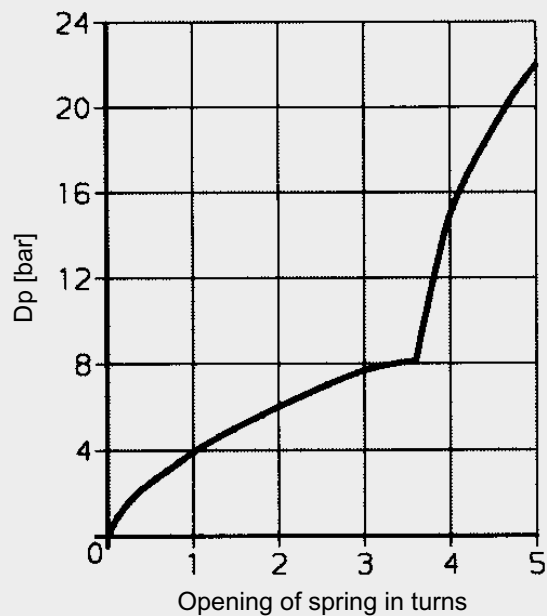
DV5E-01X

DV5E-02X

DV5E-04X

DV5E-11X

## Opening characteristics



$\Delta p = 10 \text{ bar} = \text{constant}$

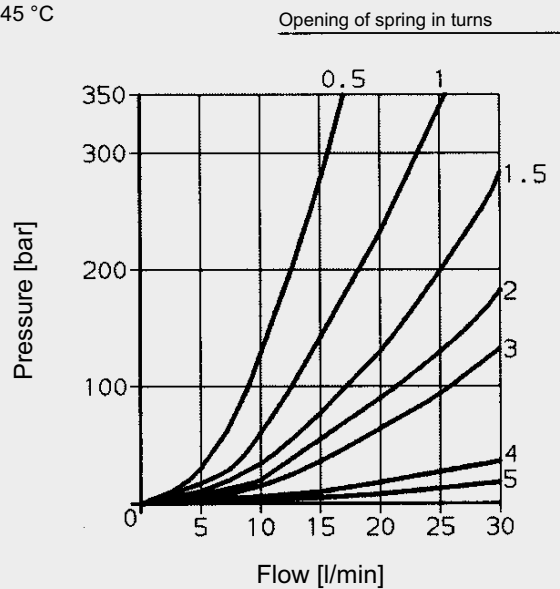
## Pressure drop, dependent on flow rate

### DV5E-01X

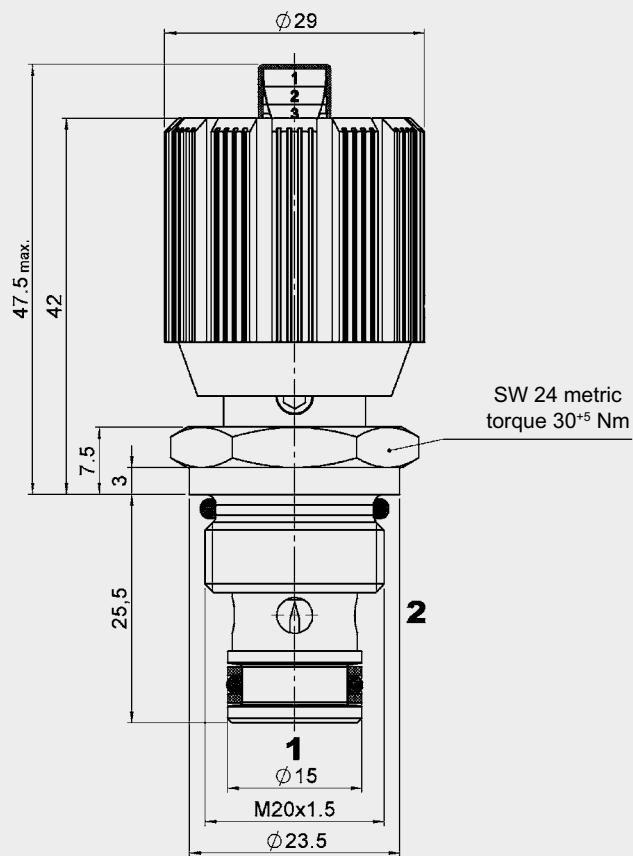
Measured at

$v = 36 \text{ mm}^2/\text{s}$

$T_{\text{oil}} = 45^\circ\text{C}$



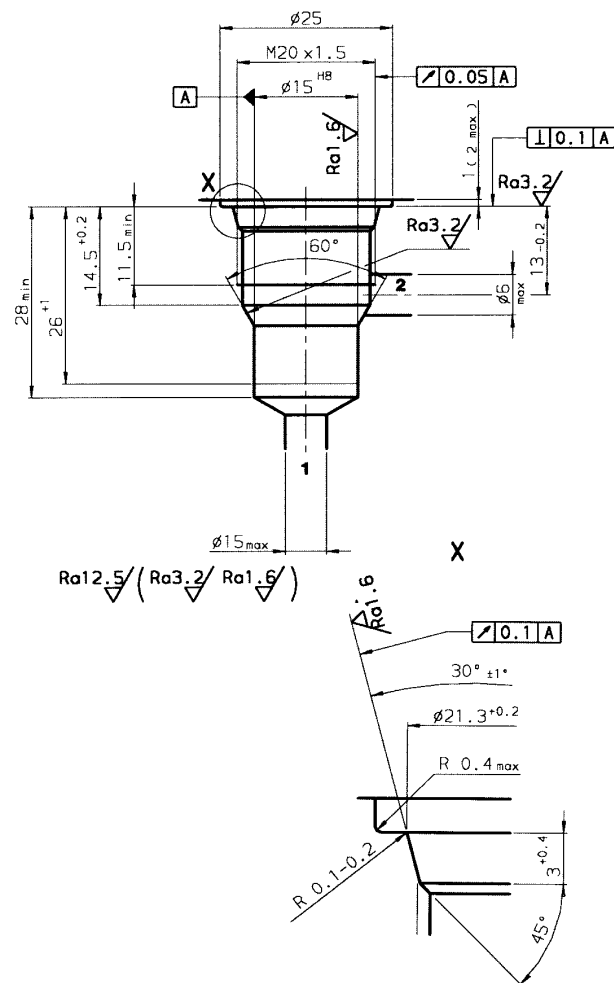
## DIMENSIONS



Millimeter  
Subject to technical modifications.

## CAVITY

06020



Millimeter

the operating conditions and applications described.  
For applications or operating conditions not described, please contact the relevant technical department.  
Subject to technical modifications.

## FLUTEC VALVES

12, SARDAR BACHAN SINGH ESTATE,  
SONAWALA ROAD, GOREGAON(E),  
MUMBAI-400063, INDIA  
Tel no: 022 26861591  
Cell no: 9821043687  
Email Id: flutec1@hotmail.com