

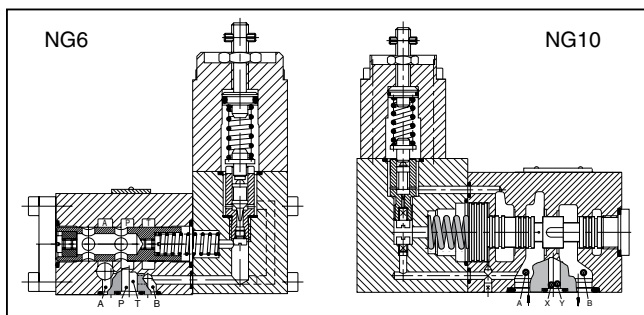
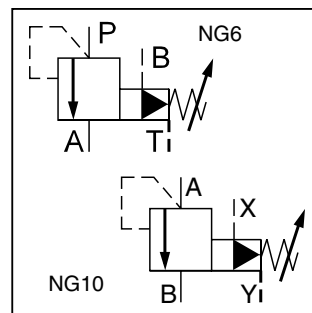
General Description

Series VBY pilot operated sequence valves consist of a pilot with manual adjustment and a main part with spool execution. The valve has an external drain.

This valve can also be used as a pressure relief valve. Please observe hydraulic connection.

Features

- Manifold mounting acc. to ISO 5781.
- Type VBY with external drain.
- Main stage spool type valve.
- Pilot stage seated type valve.
- 4 pressure ranges.
- 2 adjustment modes
 - Screw with hexagon socket
 - DIN knob



Specifications

Size	NG6		NG10	
Mounting Pattern	ISO 5781			
Mounting Position	As desired			
Ambient Temperature	-20°C to +80°C (-4°F to +176°F)			
Operating Pressure, Ports External Drain Port Pressure	P, A, B up to 315 Bar (4568 PSI) T up to 100 Bar (1450 PSI)		A, B, X up to 315 Bar (4568 PSI) Y up to 100 Bar (1450 PSI)	
Pressure Range	64, 160, 210, 315 Bar (928, 2320, 3045, 4568 PSI)			
Pressure Fluid Temperature	-20°C to +70°C (-4°F to +158°F)			
Viscosity Range Recommended Permitted	30 to 50 cSt / mm²/s (139 to 232 SSU) 20 to 380 cSt / mm²/s (93 to 1761 SSU)			
Filtration	ISO 4406 (1999), 18/16/13			
Pilot Oil Flow	approx. 500 cm³/min		approx. 1000 cm³/min	

Ordering Information

VBY

Pressure Relief
 Valve

☐

Pressure
 Range

☐

Adjustment

☐

Size

☐

Seal

☐

Design
 Series

NOTE:
 Not required
 when ordering.

Code	Description
064	64 Bar (928 PSI)
160	160 Bar (2320 PSI)
210	210 Bar (3045 PSI)
315	315 Bar (4568 PSI)

Code	Description
A	Adjustment Screw with Hexagon Socket
H	Turning Knob with Cylinder Lock

Code	Description
06	NG6
10	NG10

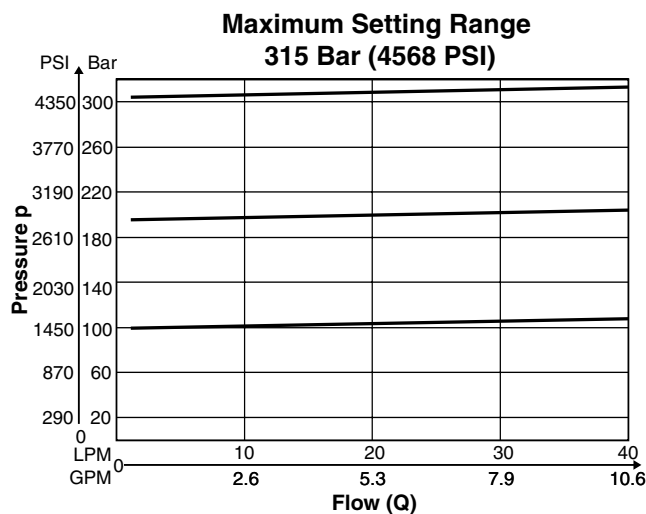
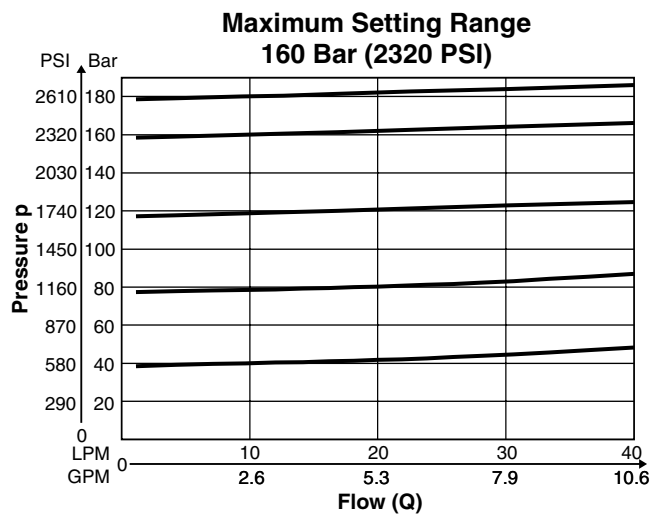
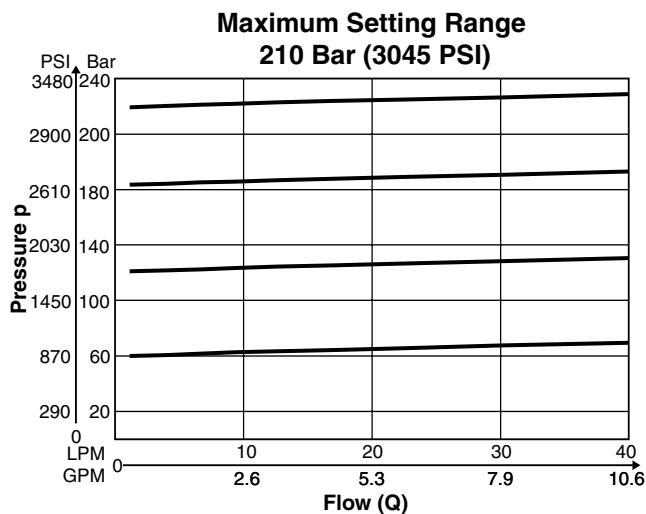
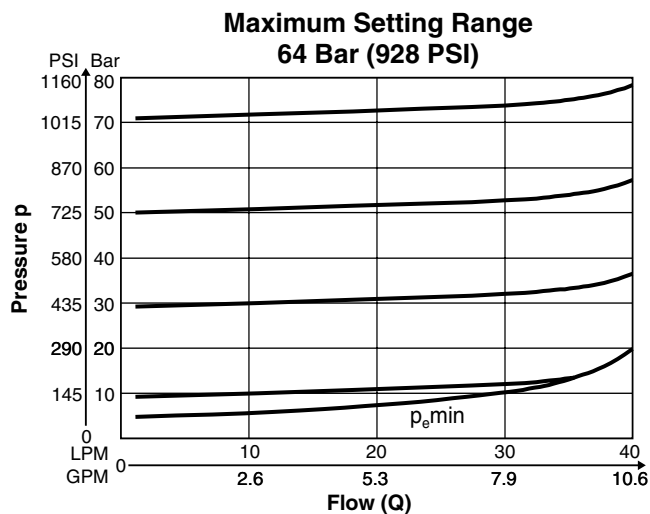
Code	Description
N	Nitrile
V	Fluorocarbon

Weight:

VBY*06 2.4 kg (5.29 lbs.)
 VBY*10 4.5 kg (9.92 lbs.)

VBY*06

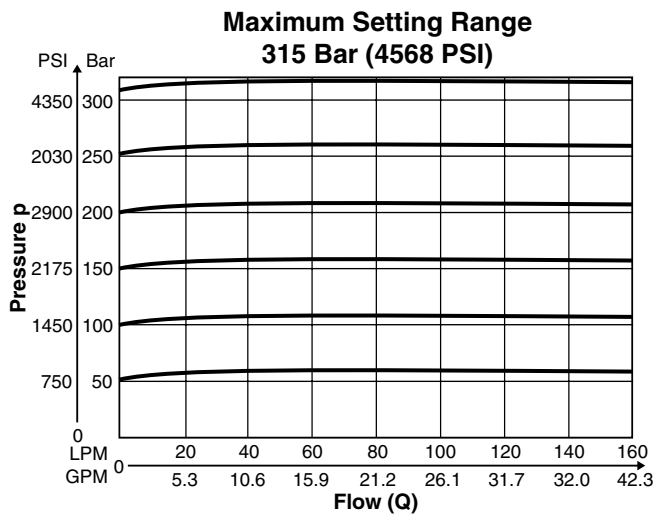
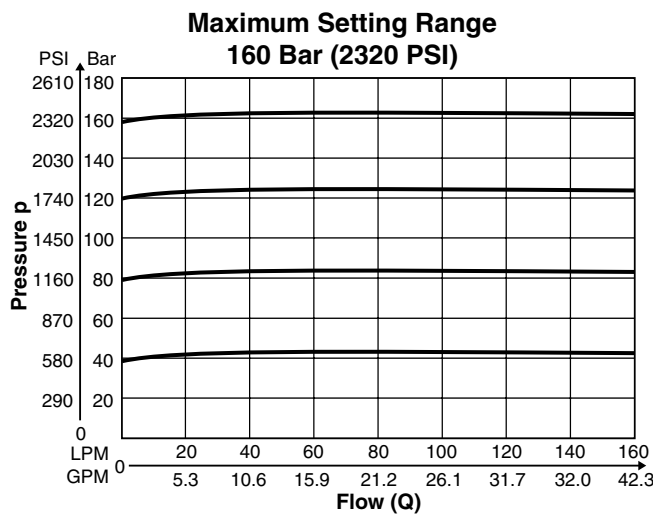
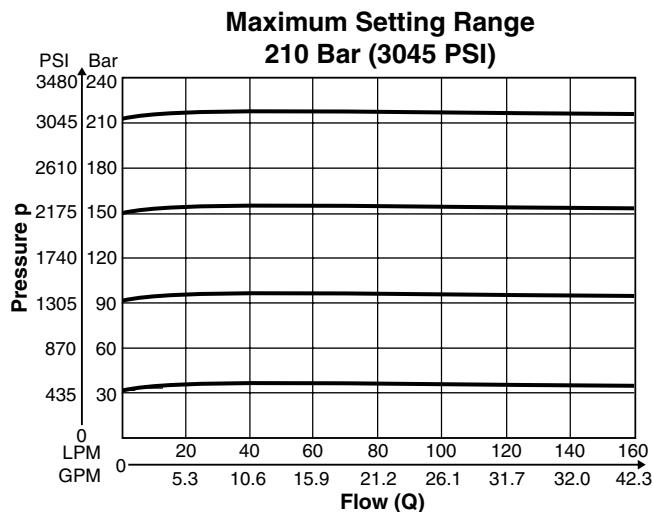
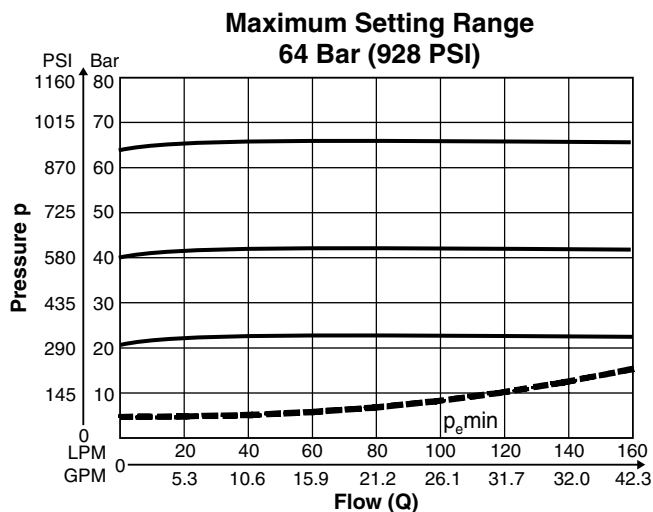
p/Q measured at $t = 50^{\circ}\text{C}$ (122°F) and $v = 36\text{mm}^2/\text{s}$



VBY*10

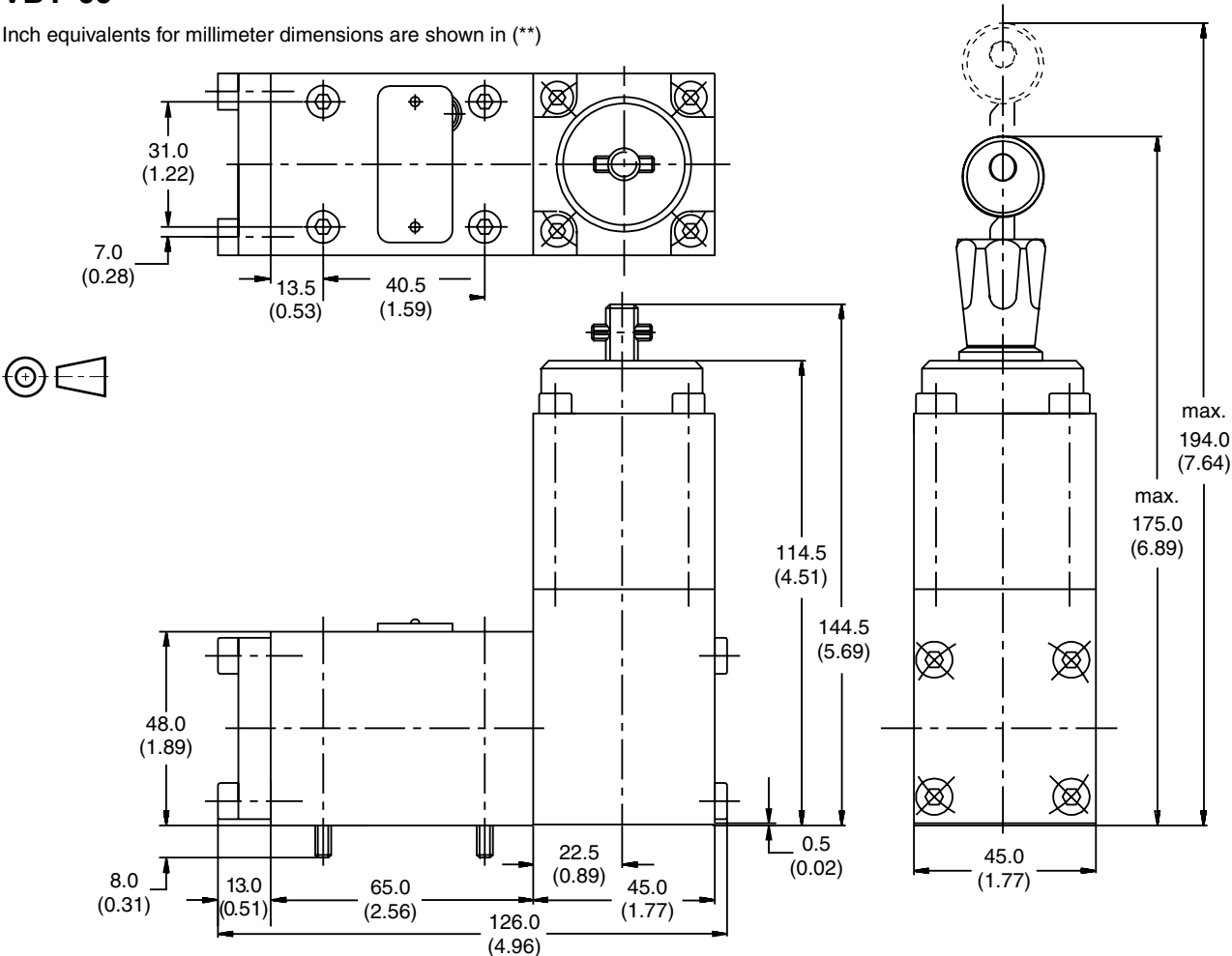
p/Q measured at $t = 50^{\circ}\text{C}$ (122°F) and $v = 36\text{mm}^2/\text{s}$

D



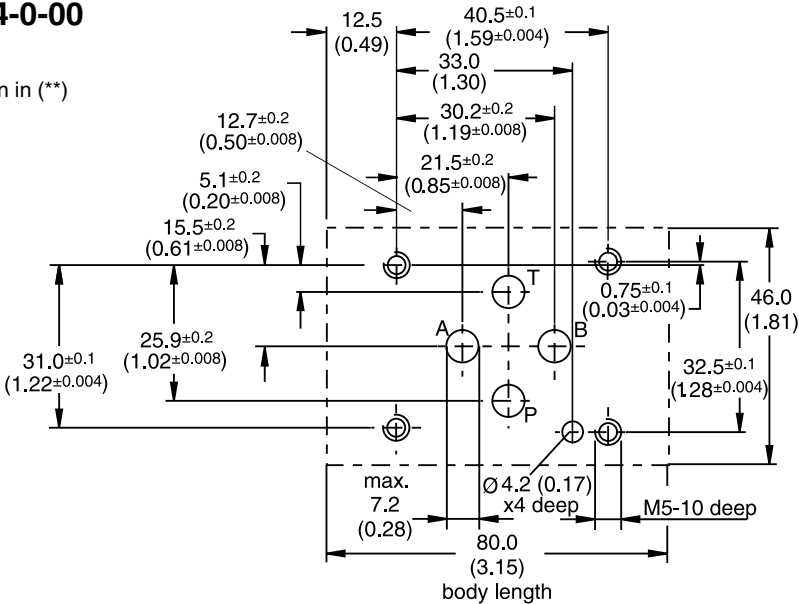
VBY*06

Inch equivalents for millimeter dimensions are shown in (**)



Mounting Pattern ISO 5781-03-04-0-00
(NFA D03, CETOP 3, NG6)

Inch equivalents for millimeter dimensions are shown in (**)

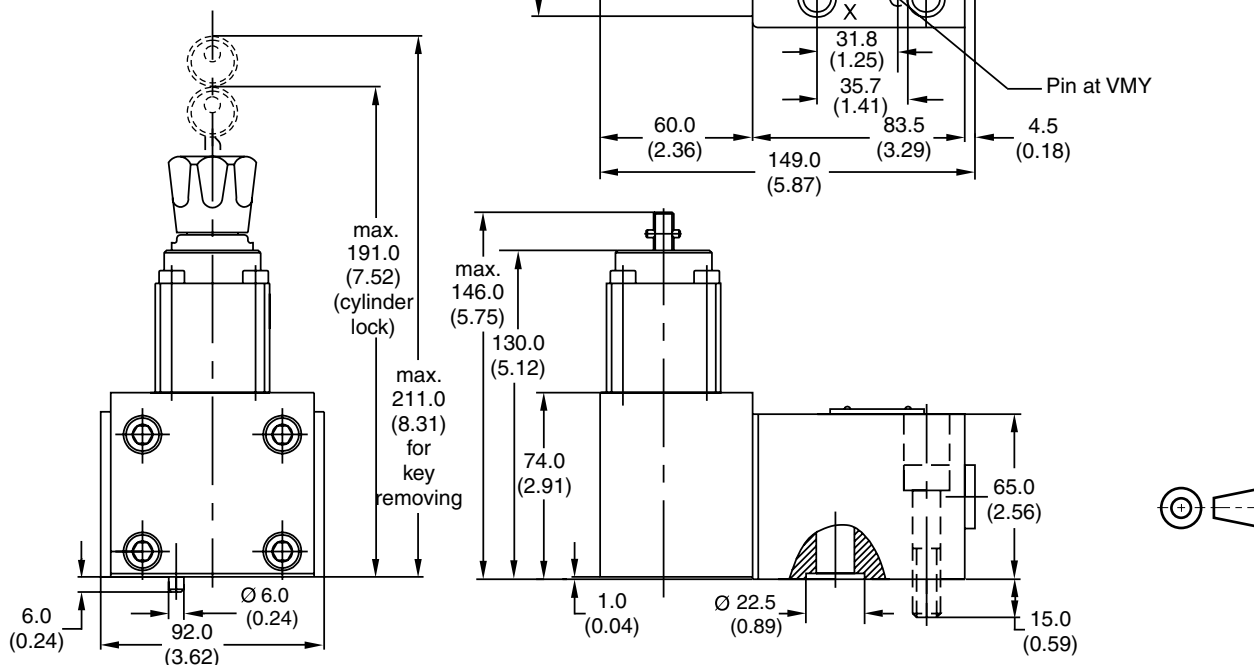


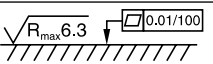
VBY.indd, dd

VBY*10

Inch equivalents for millimeter dimensions are shown in (**)

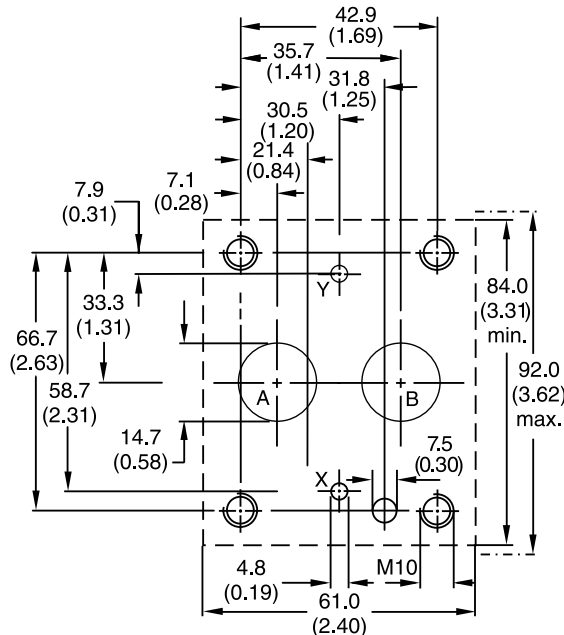
Subplate	Size
SPP3M6B910	A, B = 3/4" BSPP x, y = 1/4" BSPP



Surface Finish	Bolt Kit  DIN912 12.9		Seal  Kit
	BK389 4x M10x50	65 Nm (47.9 lb.-ft.)	Nitrile: SK-VB/VM-A10 Fluorocarbon: SK-VB/VM-A10V

Mounting Pattern ISO 5781-06-07-0-00

Inch equivalents for millimeter dimensions are shown in (**)



VBY.indd, dd