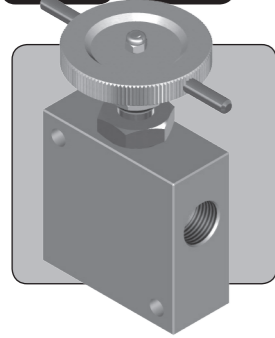


BNV50 STOP VALVE

1/2" 3/4"

UP TO 690 BAR
10,000 PSI



The BNV50 is a 1/2" nominal bore stop valve. It provides tight shut-off when closed via the knurled handwheel with extension bars.

Coarse adjustment allows fast operation. For uni-directional service, the valve is marked with a preferred direction of flow, but the valve may be used with the same functionality in the opposite direction.

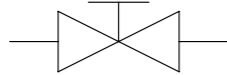
- Manual stop or shut-off valve
- Lockable adjustment
- Panel mount option
- Non-rotating valve stem protects valve seat
- Suitable for uni-directional or bi-directional shut-off
- Stainless steel construction
- Suitable for use with mineral oils and water glycols
- Compatible with many other media, contact us for advice
- Cartridge version available, contact us for details
- Various porting options available
- Various seal options available

Specifications

BASIC MODEL NUMBER

BNV50

SYMBOL



MAX WORKING PRESSURE

690 bar
(10,000 psi)

CV (FLOW CAPACITY)

Up to 2.1
See performance graph

FLUID

Liquids only
See materials section

TEMPERATURE RANGE

See Product Selector opposite
and Technical Data section

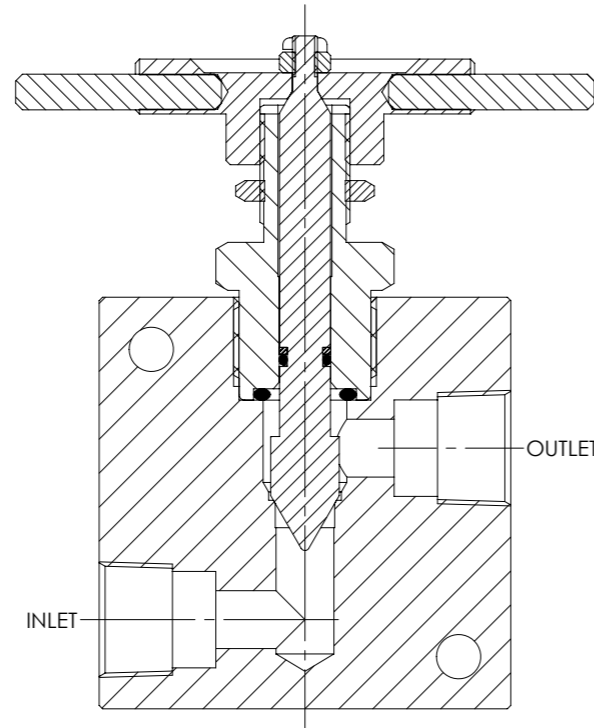
PORT SIZE

1/2" or 3/4"

WEIGHT

1.7 kg
(3.7 lb)

Specifications may change without notice



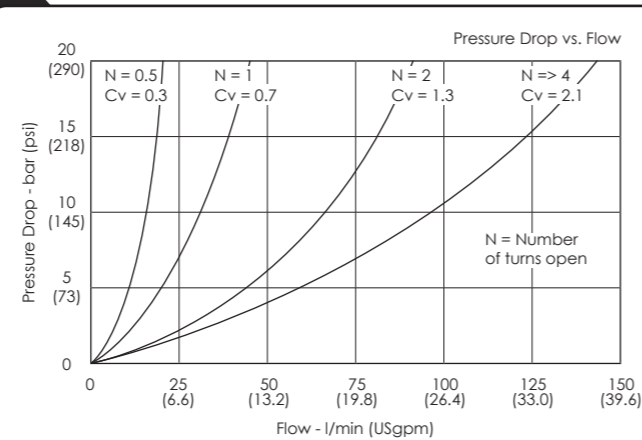
Materials

Externally Exposed Parts: 316, 440C and other 300 series stainless steels.
Internally Wetted Parts: 316 and 440C stainless steel and acetal.

The standard valve is designed for use with mineral oil and water glycols, but may be used with a wide variety of media compatible with the materials of construction. Other material options are available, please contact us for advice.

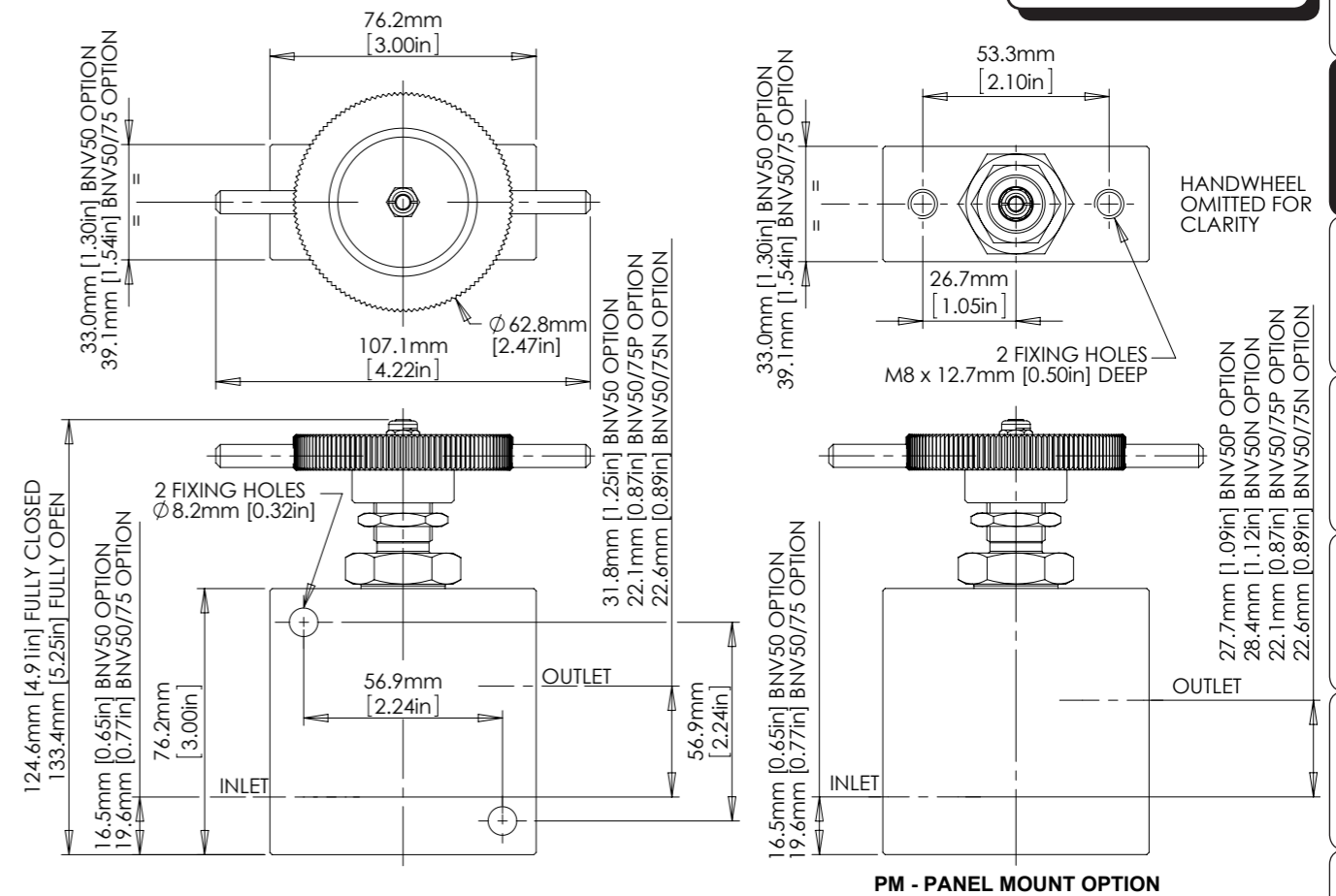
⚠ The standard valve has Viton® seals. Further seal options are available via the Product Selector. Compatibility with the working fluid at the operating temperature must be considered.

Typical Performance



Typical performance based on water glycol

Installation Diagram



Product Selector

BNV50 P - PM - NBR - 10K

VALVE TYPE	PORTING OPTIONS	VALVE OPTIONS	SEAL OPTIONS	MAX WORKING PRESSURE
BNV50	P 1/2" BSPP female	PM Panel mounted	NBR Nitrile seals -30°C to +105°C	10K 690 bar (10,000 psi) Liquid
	N 1/2" NPT female		KLZ Kalrez® seals -25°C to +120°C	
	/75P 3/4" BSPP female		HNBR Hydrogenated Nitrile seals -20°C to +120°C	
	/75N 3/4" NPT female		Further seal options are available on request	

Repair and seal kits are available on request

For a seal kit add SK at the end of the model code and for a repair kit add RK

⚠ Exposure to high and low fluid temperatures will influence handle temperature. Operator safety must be considered.



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www.bisvalves.co.uk



BS VALVES
The Specifier's Catalogue

SOLENOID
FLOW CONTROL
3 PORT DIRECTIONAL CONTROL
4 PORT DIRECTIONAL CONTROL
CHECK AND SHUTTLE
PILOT OPERATED CHECK
RELIEF
EXCESS FLOW
FILTERS
PRESSURE SENSING
PUMPS
ACTUATORS
TECHNICAL DATA