Outside Screw and Yoke (OS&Y) Needle Valves

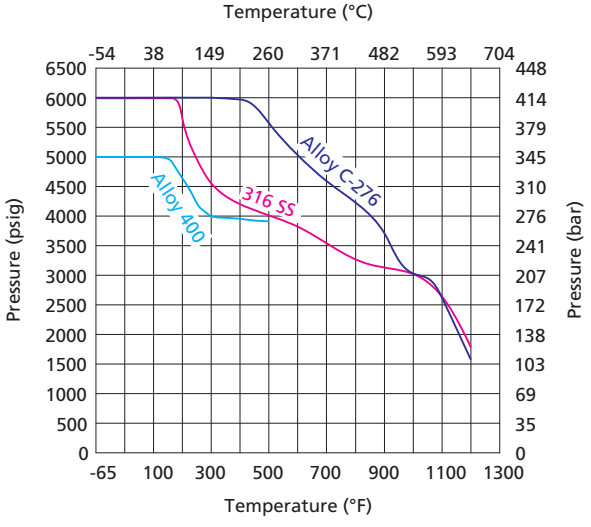
NY Series: Working pressure up to 6000 psig

Features

- Cold drawn bar as body
- Standard seat diameter 0.16" (4mm). Cv: 0.35 standard
- Hardened stem threads prevent galling
- Stem threads completely isolated from system media
- Linear instead of rotary motion of the rising, non-rotating stem minimizes packing abrasion and reduces the friction between the seat and the tip
- Externally adjustable gland, independent of spindle thread
- Steady and durable fastening of the handle by double lock-pins
- Bottom mounting available
- Every valve leak tested with nitrogen or compressed air at maximum allowable working pressure
- Working pressure up to:
  Stainless steel: 6000 psig (414 bar)
  Alloy C-276: 6000 psig (414 bar)
  Alloy 400: 5000 psig (345 bar)
- Working temperature:
  PTFE: -65°F to 450°F (-54°C to 232°C)
  PEEK: -65°F to 500°F (-54°C to 260°C)
  Graphite: -65°F to 1200°F (-54°C to 649°C)

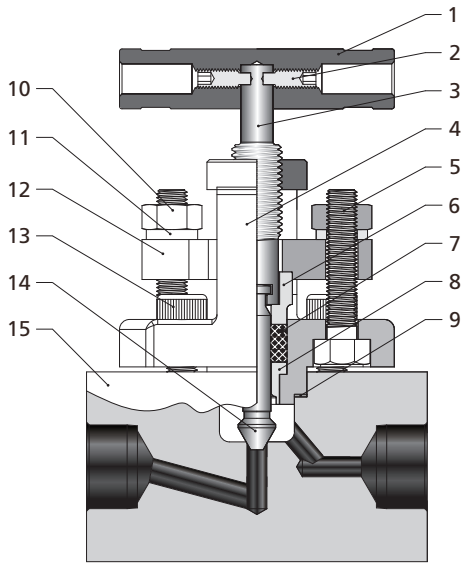
Pressure vs. Temperature

NY Series



1. Graphs are based on graphite packing.
2. Contact FITOK Group or our authorized distributors for curve graph of other materials.

Standard Materials of Construction

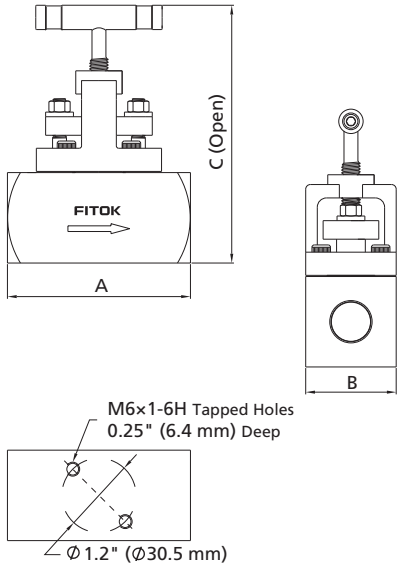


Item	Component	Valve Body Material
		316 SS
		Material Grade/ASTM Specification
1	Handle	Anodized aluminum or stainless steel
2	Set Screw	Zinc-plated carbon steel
3	Upper Stem	316 SS/A479
4	Yoke	316 SS/A182
5	Bolts	Stainless steel
6	Packing Washer	316 SS/A479
7	Packing	PTFE or PEEK or graphite
8	Packing Washer	316 SS/A479
9	Joint Seal	316 SS/A479
10	Nuts	Stainless steel
11	Gaskets	Stainless steel
12	Gland bridge	316 SS/A182
13	Bolts	Stainless steel
14	Lower Stem	Hardened 316 SS/A479
15	Body	316 SS/A479
	Lubricant	Molybdenum disulfide-based

Note: Contact FITOK Group or our authorized distributors for other materials.

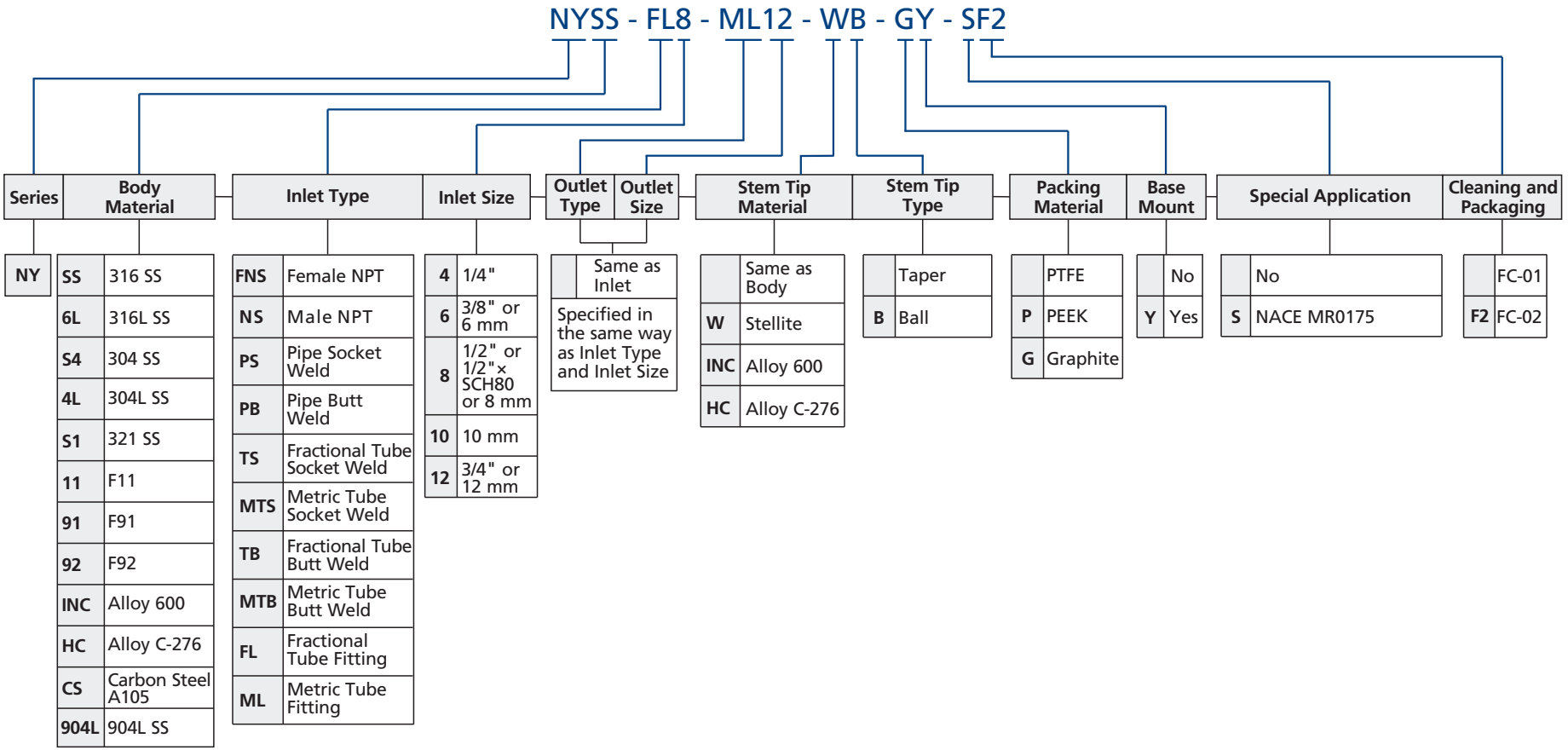
Dimensions of NY Series

Basic Ordering Number	Connection Type and Size		Orifice in.(mm)	Cv	Dimensions, in.(mm)		
	Inlet	Outlet			A	B	C
NY□□-FNS4	1/4 Female NPT	1/4 Female NPT	0.16 (4.0)	0.35	2.69 (68.2)	1.50 (38.1)	4.04 (102.7)
NY□□-NS4	1/4 Male NPT	1/4 Male NPT			2.95 (75.0)		
NY□□-NS4-FNS4	1/4 Male NPT	1/4 Female NPT					
NY□□-FNS6	3/8 Female NPT	3/8 Female NPT			2.72 (69.2)		
NY□□-NS6	3/8 Male NPT	3/8 Male NPT			2.93 (75.0)		
NY□□-FNS8	1/2 Female NPT	1/2 Female NPT			3.00 (76.2)		
NY□□-NS8	1/2 Male NPT	1/2 Male NPT			3.27 (82.0)		
NY□□-NS8-FNS8	1/2 Male NPT	1/2 Female NPT					
NY□□-PS8-G	1/2 Pipe Socket Weld	1/2 Pipe Socket Weld			3.00 (76.2)		
NY□□-PB8-G	1/2×SCH80 Pipe Butt Weld	1/2×SCH80 Pipe Butt Weld			3.54 (89.8)		
NY□□-FL4	1/4" FITOK	1/4" FITOK			3.44 (87.4)		
NY□□-FL6	3/8" FITOK	3/8" FITOK			3.50 (88.9)		
NY□□-FL8	1/2" FITOK	1/2" FITOK			3.78 (96.0)		
NY□□-ML6	6 mm FITOK	6 mm FITOK			3.44 (87.4)		
NY□□-ML8	8 mm FITOK	8 mm FITOK					
NY□□-ML12	12 mm FITOK	12 mm FITOK			3.78 (96.0)		



1. Connection type of "FITOK" means FITOK double ferrule tube fittings. When the connection type of valves is FITOK double ferrule tube fitting, the working pressures of the valves are related to the wall thickness of tubing applied. For specific working pressure of the valves, please refer to the allowable working pressures in FITOK Catalog Tubing.
2. Sizes and types listed are standard. Other sizes and types are available upon request. For details, please contact FITOK Group or our authorized distributors.
3. Dimensions are shown with FITOK tube fitting nuts finger-tight. All dimensions not shown above, please contact FITOK Group or our authorized distributors.

Ordering Number Description



Note: "Ordering Number Description" is a reference to understand the combination rules of FITOK product part number.
Not all combinations are available.

Cleaning and Packaging:
FC-01: Standard cleaning and packaging for general industrial procedures.
FC-02: Special cleaning and packaging for wetted system components to ensure compliance with product cleanliness requirement of ASTM G93 Level C.