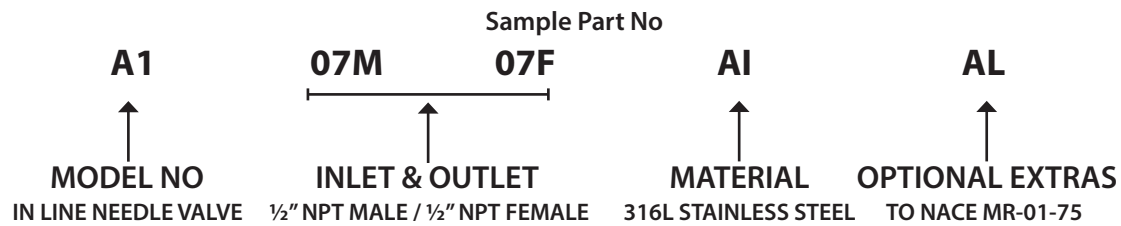


# HOW TO ORDER

## NEEDLE VALVES & MANIFOLDS



Inlet & Outlet	
M = Male	F = Female Thread
02M or F	= G½B or G½(BSPP)
03M or F	= ¼" NPT
04M or F	= G¼B or G¼ (BSPP)
05M or F	= ⅜" NPT
06M or F	= G¾B or G¾(BSPP)
07M or F	= ½" NPT
08M or F	= G½B or G½ (BSPP)
09M or F	= ¾" NPT
10M or F	= G¾B or G¾ (BSPP)
11M or F	= 1" NPT
12M or F	= G1B or G1 (BSPP)
13M or F	= R¼ or Rc¼ (BSPT)
14M or F	= R¾ or Rc¾(BSPT)
15M or F	= R½ or Rc½ (BSPT)
16M or F	= R¾ or Rc¾ (BSPT)
17M or F	= R1 or Rc1 (BSPT)
18M or F	= R½ or Rc½(BSPT)
Direct Mount Outlets	
DMA	= IEC Type A
DIR	= IEC Type B
<b>Key</b>	
GxB	= Parallel Male Class B
G	= Parallel Female
R	= Taper Male
Rc	= Taper Female

Inlet & Outlet Medium / High Pressure	
Medium Pressure	= M
High Pressure	= H
⅛ Tube	= 2
¼ Tube	= 4
⅜ Tube	= 6
½ Tube	= 9
Male	= M
Female	= F

Material
AI = 316L Stainless Steel (UNS S31600 / S31603)
MO = MONEL® 400 (UNS N04400)
HA = HASTELLOY® C-276® (UNS N10276)
IL = INCONEL® 625 (UNS N06625)
IN = INCOLOY® 825 (UNS N08825)
TI = TITANIUM Gr.2 (UNS R50400)
DU = DUPLEX (UNS S31803)
SD = SUPER DUPLEX (UNS S32760)
HC = HASTELLOY® C-22 (UNS N06022)
SA = SUPER AUSTENITIC ST.ST 6%Mo (UNS S31254)
NAB = NICKEL ALUMINIUM BRONZE (UNS C95800, C95500)
<i>Note: Other materials available on request.</i>

Optional Extras
AA = Black Hand Wheel
AB = Anti Tamper Bonnet with Key
AC = Panel Mount Nut on Bonnet
AD = Lockable Handle With Padlock
AE = Captive Bleed Valve
AF = Surface Mount Tapped Holes
AG = Lockable Handle Without Padlock
AH = Captive Bleed Nut
AJ = Metering Tip
AK = Rated 700 bar / 10,000 psi (Dimensions available on request)
AL = To Nace MR-01-75 (ISO 15156 Latest Edition)
AM = Degreased to Oxygen Standard
AN = KEL-F Soft Tip
AO = Graphoil Packing
AP = Complete with 56mm Hole Centres (Outlet)
AQ = Complete with Yoke Mounting Bracket for 2 inch N.B (60.3 mm dia Stand Pipe)
AR = Complete with Vent Plugs
AS = Complete with 65 mm Hole Centres (Outlet)
AT = Complete with M10 x 1.5 pitch x 55mm Long Stainless Steel Bolts
AU = Complete with 58.7 mm Hole Centres (Outlet)
AV = Degreased
AW = Complete with M12 x 1.75 pitch x 55mm Long Stainless Steel Bolts
AX = Fire Safe
AY = Rising Plug Type Tip
AZ = NORSOK M630 (Latest edition)
BA = ¼" NPT Vent plug
BB = Lockable Anti Tamper Bonnet with Key

Note: Please add any additional optional extras in alphabetical order and consider that not all options are available on all models.

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