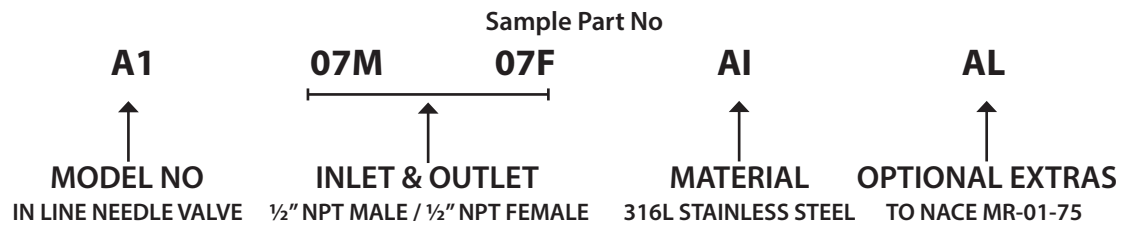
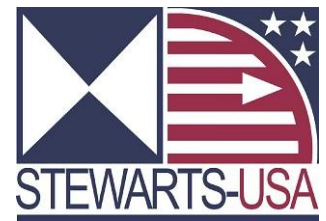


# HOW TO ORDER

## NEEDLE VALVES & MANIFOLDS



Inlet & Outlet	
M = Male	F = Female Thread
02M or F	= G <sup>1</sup> / <sub>8</sub> " B or G <sup>1</sup> / <sub>8</sub> " (BSPP)
03M or F	= ¼" NPT
04M or F	= G <sup>1</sup> / <sub>4</sub> " B or G <sup>1</sup> / <sub>4</sub> " (BSPP)
05M or F	= ⅜" NPT
06M or F	= G <sup>3</sup> / <sub>8</sub> " B or G <sup>3</sup> / <sub>8</sub> " (BSPP)
07M or F	= ½" NPT
08M or F	= G <sup>1</sup> / <sub>2</sub> " B or G <sup>1</sup> / <sub>2</sub> " (BSPP)
09M or F	= ¾" NPT
10M or F	= G <sup>3</sup> / <sub>4</sub> " B or G <sup>3</sup> / <sub>4</sub> " (BSPP)
11M or F	= 1" NPT
12M or F	= G1 B or G1 (BSPP)
13M or F	= R <sup>1</sup> / <sub>4</sub> " or Rc <sup>1</sup> / <sub>4</sub> " (BSPT)
14M or F	= R <sup>3</sup> / <sub>8</sub> " or Rc <sup>3</sup> / <sub>8</sub> " (BSPT)
15M or F	= R <sup>1</sup> / <sub>2</sub> " or Rc <sup>1</sup> / <sub>2</sub> " (BSPT)
16M or F	= R <sup>3</sup> / <sub>4</sub> " or Rc <sup>3</sup> / <sub>4</sub> " (BSPT)
17M or F	= R1 or Rc1 (BSPT)
18M or F	= R <sup>1</sup> / <sub>2</sub> " or Rc <sup>1</sup> / <sub>2</sub> " (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

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)
<b>Note: Other materials available on request.</b>	

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

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

## STEWARTS-USA, LLC

6786 Tipperary Houston, Texas 77061 USA

Tel: 713.643.1022 | Fax: 713.643.2855 | info@stewartsusa.com | www.STEWARTSUSA.com  
 DATA SHEET REF: NEEDLE HOW TO ORDER-REVO1032015