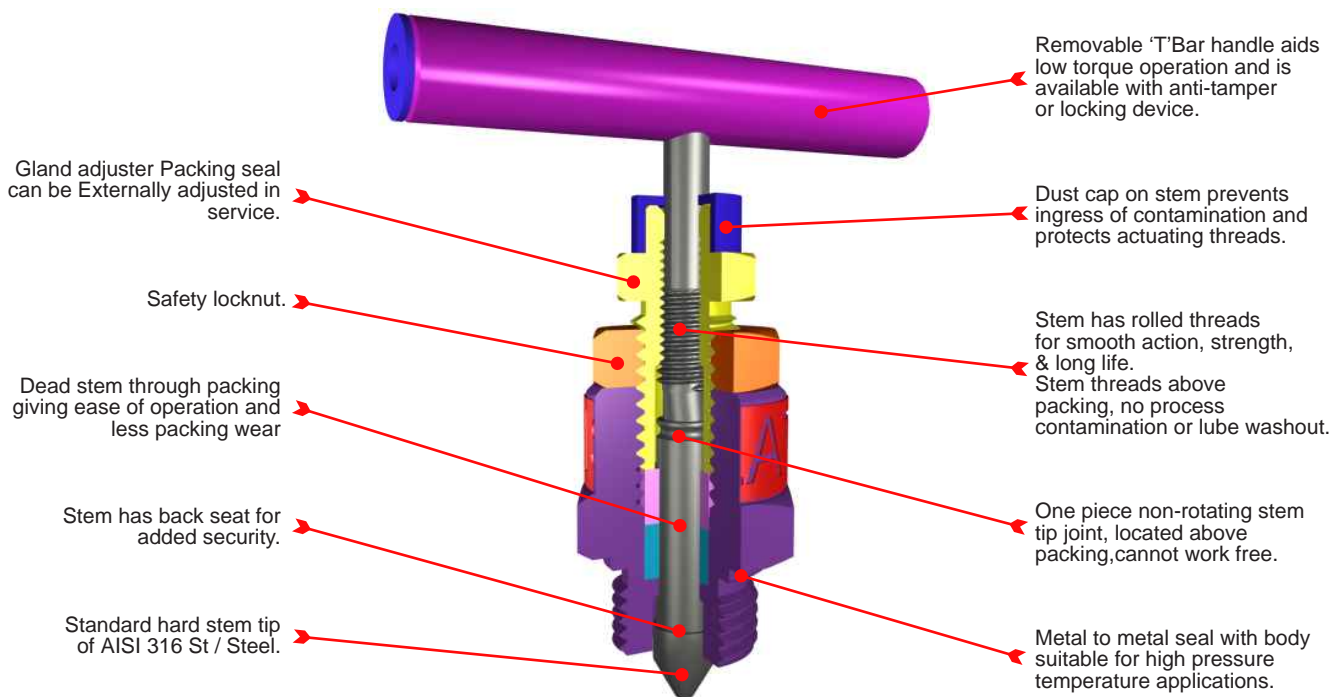


# SPECIFICATIONS STAINLESS STEEL NEEDLE VALVE & MANIFOLD ASSEMBLY



All Needle Valves and Manifolds incorporate the Bonnet assembly shown below.  
(All components designed and manufactured by Stewarts)



## Other Features

Valves can be supplied to NACE MR-01-75 specification and degreased for oxygen service.

Needle valve and block and bleed valve available in right angle form.

Hydrostatically tested to 1.5 times maximum working pressure.

Wide variety of process connections available by arrangement.

Bleed and blind plugs are available.

Isolating trim as standard, metering trim available on request.

Panel mounting valve available on request.

PCTFE Soft tip option available for special applications.  
(Max working temperature = 120 C.)

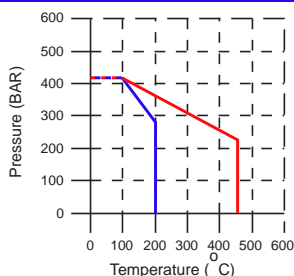
All valve and manifolds are individually boxed for protection and storage.

Factory designed and fitted instrument protection systems available.

Valves have trace Code on body with original mill certificates available all to EN 10204-3.1.

Bonnet locking pin safely locks bonnet to body.

## Pressure / Temperature Ratings



P.T.F.E.-Packing

maximum pressure 413 bar (6,000 psi) at 100 C  
maximum pressure 275 bar (4,000 psi) at 200 C  
P.T.F.E. Packing must not be used at temperatures in excess of 200 C

Graphoil-Packing

maximum pressure 413 bar (6,000 psi) at 100 C  
maximum pressure 230 bar (3,300 psi) at 450 C

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