



TECHNICAL DATA			
ORIFICE	Cv	Pr. Rat.	Temp. Rat.
3.5 mm.	0.31	3000 PSI (20700 kpa)	-20 to 250° F (-29° to 121°C)

S.NO.	PART NAME	QTY.	MATERIAL
7	SPINDLE O-RING	1	VITON
6	BONNET O-RING	1	VITON
5	GRUB SCREW	1	STEEL PLATED
4	HANDLE	1	STAINLESS STEEL
3	SPINDLE	1	A479-316/A-105
2	GLAND BODY	1	A479-316/A-105
1	BODY	1	A479-316/A-105

**MATERIAL OF CONSTRUCTION**

**FEATURES:**  
316SS. CONSTRUCTION FOR CORROSION RESISTANCE. EXCELLENT FLOW REGULATION & LEAK TIGHT. SLOW OPENING PREVENT SUDDEN PRESSURE SURGE & INSTRUMENT DAMAGE.

**APPLICATION:**  
REFINERIES, LIQUID PETROLEUM GAS PROCESSING PLANT. PETRO CHEMICALS PLANTS. SYSTEMS DIFFICULT TO SHUT OFF DUE TO SOLIDE CONTENTS, DUST,DIRT,RUST ETC.

**TESTING:**  
STANDARD TEST:- EACH VALVES IS TESTED WITH NITROGEN AT 1000 PSI FOR SEAT & PACKING LEAKAGE, WITH A MAX. ALLOWABLE LEAK RATE OF 0.1 SEC. / MIN. HYDRO TEST:- PERFORMED WITH PURE WATER AT 1-1/2 TIMES OF THE WORKING PRESSURE.

OTHER TEST:- LIKE THE VIBRATIONS,TEMPERATURES,HELIUM ETC. ARE AVAILABLE UPON REQUESTS.

**LUBRICATION:**  
MOLLY ANTI- SEIZE LUBRICANT.

**NOTE:**  
DIMENSIONS ARE FOR REFERENCE ONLY, SUBJECT TO CHANGE.

REV.	REVISIONS	DATE	BY	APPD.

  

TOLERANCES		±0.05
1 - PLACE DIMENSION	±0.01	
2 - PLACE DIMENSION	±0.005	
3 - PLACE DIMENSION	±0.005	
4 - PLACE DIMENSION	±0.005	
5 - STD CASTINGS	±0.03	

  

DO NOT SCALE THE DRAWING.	UNLESS OTHERWISE SPECIFIED
MACHINE - 63 MICRO IN.	CST - 125 MICRO IN.

  

REMOVE ALL BURRS & SHARP EDGES.	PARTS TO BE FREE OF OIL OR OTHER CONTAMINATION.
ALL DIMENSIONS ARE IN INCHES.	UNLESS OTHERWISE SPECIFIED.

  

CLIENT-	
TITLE:	NEEDLE VALVE-MINI SERIES
	VITON RING PKG. (FXF)
DRN.	MT
CHD.	ET
APPD.	Jp
SCALE	N.T.S.
DATE	26.05.2004
DRG.NO.	P.NV-H-S-4-V-FP

  

**PANAM ENGINEERS**  
AN ISO 9001 : 2000 COMPANY  
MUMBAI - INDIA