



11	O-RING	1	VITON
10	GRUB SCREW	1	STEEL PLATED
9	HANDLE	1	STAINLESS STEEL
8	SPINDLE	1	17-4PH/TITANIUM
7	PACKING WASHER	1	A 479-316
6	PACKING	1	PTFE/GRAPHOIL
5	WASHER	1	A 479-316
4	GLAND NUT	1	A 479-316
3	PANEL NUT	1	A 479-316
2	GLAND BODY	1	A 479-316
1	BODY	1	A 479-316
S.NO.	PART NAME	QTY.	MATERIAL

MATERIAL OF CONSTRUCTION

FEATURES:
BRASS/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.

LUBRICATION:
ARE AVAILABLE UPON REQUESTS.
MOLLY ANTI- SEIZE LUBRICANT.

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

TECHNICAL DATA				
ORIFICE	Cv	Pr. Rot.		Temp. Rot.
		SS	BRASS	
3.5 mm.	0.31	4000 PSI (27600 kpa)	3000 PSI (20700 kpa)	-20 to 250° F (-29° to 121°C)

TITLE: - NEEDLE VALVE-MINI SERIES

PTFE PKG		N.T.S.	
DRN.	MT	SCALE	
CHD.	ET	DATE	20-11-2002
APPD.	JP	DRG.NO.	PNV-H-S-4-T-MINI

PANAM ENGINEERS
AN ISO 9001 : 2000 COMPANY
MUMBAI - INDIA