

FEATURES:

316 SS CONSTRUCTION FOR CORROSION RESISTANCE.
 EXCELLENT FLOW REGULATION & LEAK TIGHT.
 SLOW OPENING PREVENTS SUDDEN PRESSURE SURGE & INSTRUMENT
 DAMAGE. INTERCHANGEABLE BONNET FOR 1/4", 1/2" MALE TO FEMALE
 PIPE ENDS. ONE PICE BODY CONSTRUCTION. NO WELDING USED.

APPLICATION:

REFINERIES, LIQUID PETROLIUM GAS PROCESSING PLANT. PETRO
 DIFFICULT TO 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.

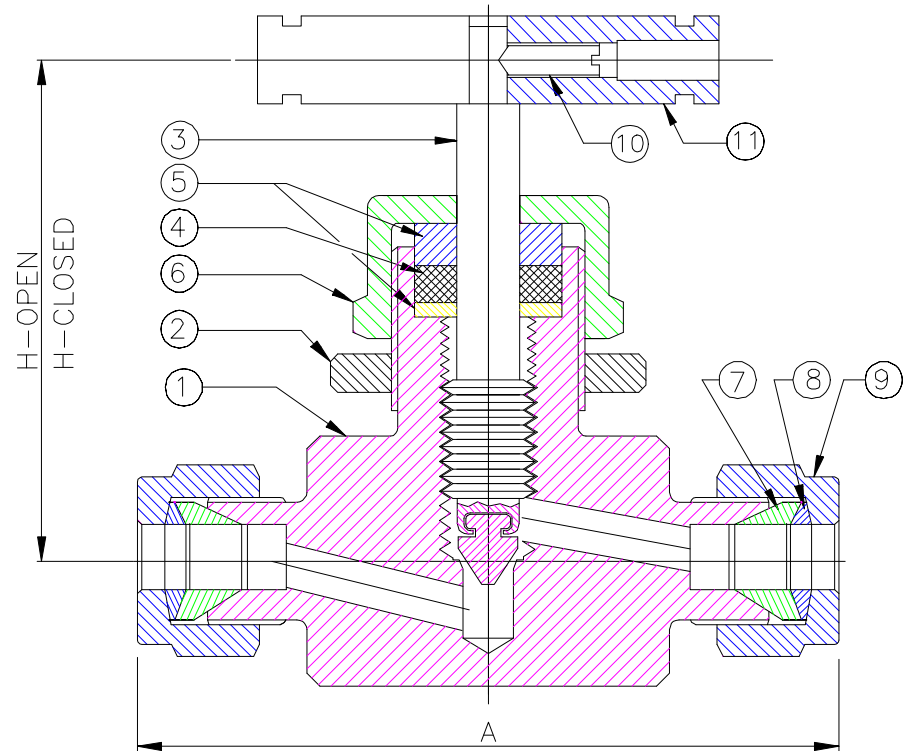
OTHER TEST: – LIKE THE VIBRATIONS, TEMPERATURES, HELIUM ETC.
 ARE AVAILABLE UPON REQUESTS.

LUBRICATION:

MOLLY ANTI- SEIZE LUBRICANT.

NOTES: –

- OPTIONAL PACKING GRAPHOIL AVAILABLE FOR HIGH TEMPERATURE
 WITH BALL TIP DESIGN WHICH FORMS A BEARING JOINT WITH THE
 STEM, ELEMENT ROTATION BETWEEN BALL & SEAT AT CLOSER.
 THIS PREVENTS SCORING AND GALLING UP THE VALVE SEAT &
 INSURE LONG LIFE IN REPETITIVE SHUT OFF SERVICE. CLEAN OUT
 HOLE PREVENTS CLOGGING. SERIER OF END CONNECTION LIKE A
 MALE, FEMALE PIPE ENDS, POWER LOCK TUBE CONNECTIONS WITH
 STRAIGHT & ANGLE PATTERNS. GLAND NUT OPTIONAL.
- DIMENSIONS ARE FOR REFERENCE ONLY. SUBJECT TO CHANGE.



ASSEMBLY

TABLE OF DIMENSIONS:

SIZE	A	H-OPEN	H-CLOSED
1/4"	50	–	–
3/8"	50	84	75
1/2"	68	108	96
3/4"	70	115	105
1"	80	120	110

MATERIAL OF CONSTRUCTIONS:

11	HANDLE	1	STAINLESS STEEL
10	GRUB SCREW	1	STEEL PLATED
9	NUT	2	A479-316
8	OUTER FERRULE	2	A479-316
7	INNER FERRULE	2	A479-316
6	GLAND NUT	1	A479-316
5	WASHER	2	A479-316
4	PACKING	1	GRAPHOIL/TEFLON
3	STEM	1	A479-316
2	PANNEL NUT	1	A479-316
1	BODY	1	A479-316
S.NO.	DESCRIPTION	QTY.	MATERIAL

TECHNICAL DATA

ORITICE	Cv	Pr. Rat.	Temp.Rat.
5 mm.	0.65	6000 PSI	-20 to 250° F
6.5mm.	2	(41300 kpa)	(-29° to 121°C)

TITLE: – NEEDLE VALVES TUBE OD

DRN.		SCALE	N.T.S.
CHD.		DATE	
APPD.		DRG.NO : PNV-IB-ODT	

PIONEER INDUSTRIES

ISO 9001 - 2008