

FEATURES

EXCELLENT FLOW REGULATION & LEAK TIGHT. 316 SS CONSTRUCTION FOR CORROSION RESISTANCE

SLOW OPENING PREVENTS SUDDEN PRESSURE SURGE & INSTRUMENT DAMAGE.INTERCHANGEBLE 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 HOLE PREVENTS CLOGGING. SERIER OF END CONNECTION LIKE A MALE, FEMALE PIPE ENDS, POWER LOCK TUBE CONNECTIONS WITH STRAIGHT & ANGLE PATTERNS. GLAND NUT OPTIONAL. 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 WITH BALL TIP DESIGEN WHICH FORMS A BEARING JOINT WITH THE
- DIMENSIONS ARE FOR REFERENCE ONLY. SUBJECT TO CHANGE

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GRUB SCREW HANDLE

STAINLESS STEEL STEEL PLATED

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OUTER FERRULE INNER FERRULE

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ORITICE

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Temp.Rat.

TECHNICAL DATA

G mm.

0.65

A479-316

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9

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	75	75 96	75 96 105
	50 84	50 84 68 108	50 84 68 108 70 115

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PANAM	JP	ΕT	CDC	NEEDLE
H				VALVES
\sim	DRC	DATE	SC	
ENGINEERS	DRG.NO : 1	Æ	SCALE	TUBE
EF	PNV-	(7	_	OD
FRS	PNV-IB-ODT	30.07.2001	N.T.S.	

MUMBAI

TABLE	3LE	OF DIMENSIONS	SIONS:
SIZE	A	H-OPEN	H-CLOSED
1/4"	50	1	1
3/8"	50	84	75
1/2"	68	108	96
3/4"	70	115	105
1"	80	120	110

S.NO.

DESCRIPTION

QTY.

MATERIAL

PANNEL NUT

A479-316

A479-316

STEM **PACKING**

MATERIAL OF CONSTRUCTIONS

4

GRAPHOIL,

TEFLON

6.5mm.

(41300 kpa) 6000 PSI Pr. Rat.

(-29° to 121°C)

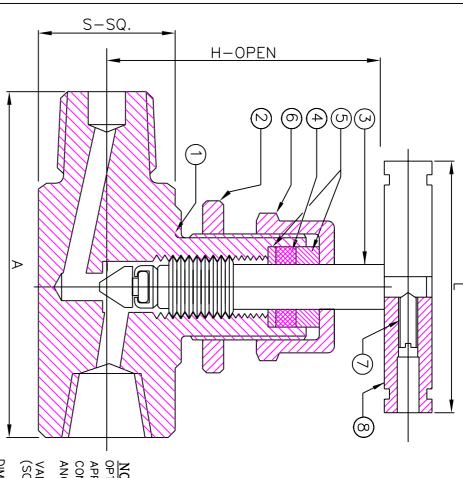
20 to 250° F

A479 - 316

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WASHER GLAND NUT



FEATURES:

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

ONE PIECE BODY CONSTRUCTION. NO WELDING USED

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HYDRO TEST:— PERFORMED WITH PURE WATER AT 1-1/2 TIMES
THE WORKING PRESSURE.

OTHER TEST: — VIBRATIONS, TEMPERATURES, HELIUM ETC.

ARE AVAILABLE UPON REQUEST.

LUBRICATION:

MOLLY ANTI-SEIZE LUBRICANT.

NOTES:-

OPTIONAL GRAPHOIL PACKING WITH BALL TIP DESIGN AVAILABLE FOR HIGH TEMPERATURE APPLICATION WHICH ENSURE LONG LIFE IN REPETITIVE SHUT OFF SERVICE. SERIES OF END CONNECTIONS LIKE MALE/FEMALE NPT,BSP PIPE THREADED ENDS WITH STRAIGHT AND ANGLE PATTERNS. GLAND NUT OPTIONAL.

VALVE CAN BE SUPPLIED TO MEET CURRENT REVISION OF NACE MR-01-75. (SOURGAS SERVICE)

DIMENSIONS ARE FOR REFERENCE ONLY. SUBJECT TO CHANGE.

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· 'T		70	89	36	80	3/4"
2		60	83	30	73	1/2"
Naav			69	25	Ç	5/8
CHD.		50	69	22	ဗ	1/4
DRN.		L	S-SQ, H-OPEN	S-SQ.	\ \ \	SIZE
ппс:-" IB			TABLE OF DIMENSIONS:	OF D	ABLI	T
(-29° to 121°C)	to	(-29°	(41300 kpa)	2 (П	6.5mm
-20 to 250° F	ó	-20	6000 PSI	0.65	.3	5 mm.
at.	P. 70	Temp.Rat.	Pr. Rat.	CV	Œ	ORIFICE
		\TA	TECHNICAL DATA	TECH		

)2	9		7	7	0	9	_	TEN	שמע	SIONS
	ò	70	Ċ	80		Ç	ת כ		Г	-	
	AN	PA	j	APPU.) 	<u>.</u>	CHD	CIVIA.			TITLE: -" IB "
MOMBAL - INCIA	AN ISO 9001 : 20		'	٦٦	5	_	FT	000	CDC		SERIES NEEDLE VALVES
NOIA	2000 COMPANY	ENGINEERS		DKG.: PNV-		UA IC		0000	2001		OLE VALVES
		<u></u>	2	FNV-IB-Mr	5	01.07.2001	01 07 2001		2 7 5		(M X F)

S.NO

DESCRIPTION

QTY,

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MATERIAL OF CONSTRUCTIONS:

BODY

0 | U | 4

WASHER

2

A 479-316/CS A 479-316/CS STEEL PLATED

SS/CS

GRUB SCREW

PACKING STEM____

TEFLON/GRAPHOIL

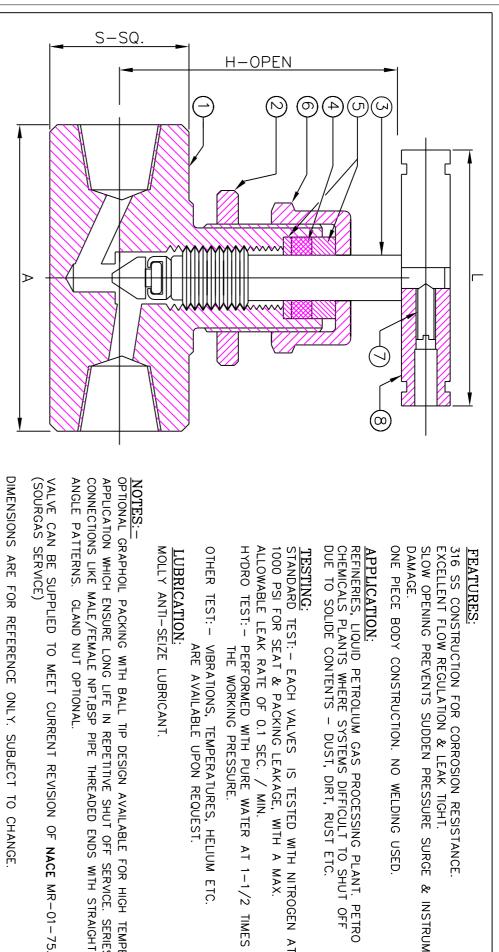
A 479-316 + 17-4PH

479-316/CS 479-316/CS MATERIAL

PANNEL

N T ∞

HANDLE



MATERIAL	QTY.	DESCRIPTION	S.NO.
A479-316/CS	_	BODY	_
A479-316/CS		PANNEL NUT	2
A479-316 + 17-4PH	_	STEM	3
TEFLON/GRAPHOIL	_	PACKING	4
A479-316/CS	2	WASHER	IJ
A479-316/CS	_	GLAND NUT	6
STEEL PLATED	1	GRUB SCREW	7
SS / CS	1	HANDLE	8

MATERIAL OF CONSTRUCTIONS:

FEATURES:

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HYDRO TEST: - PERFORMED WITH PURE WATER AT 1-1/2 TIMES OF THE WORKING PRESSURE.

OTHER TEST: - VIBRATIONS, ARE AVAILABLE UPON REQUEST. TEMPERATURES, HELIUM ETC

LUBRICATION:

MOLLY ANTI-SEIZE LUBRICANT.

NOTES:-

ANGLE PATTERNS. GLAND NUT OPTIONAL CONNECTIONS LIKE MALE/FEMALE NPT, BSP PIPE THREADED ENDS WITH STRAIGHT AND OPTIONAL GRAPHOIL PACKING WITH BALL TIP DESIGN AVAILABLE FOR HIGH TEMPERATURE APPLICATION WHICH ENSURE LONG LIFE IN REPETITIVE SHUT OFF SERVICE. SERIES OF END

DIMENSIONS ARE FOR REFERENCE ONLY. SUBJECT TO CHANGE

`	`)		
-20 to 250° F	6000 PSI	0.65	5 mm.
Temp.Rat.	Pr. Rat.	Cv	ORIFICE
ATA	TECHNICAL DATA	TEC	

SIZE 1/4" 8