

SIZES:	1/8", 1/4", 3/8", 1/2", 3/4" & 1"
BODY :	CS-ASTM-A 105 Plated, ASTM A 479 316 SS Angled / Straight pattern
END CONNECTIONS:	Screwed NPT
STEM:	ASTM A 479 316 SS
NEEDLE TIP:	Self Centering, non-rotating
GLAND BODY:	CS, ASTM A 108 Plated or ASTM A-479 316 SS, Lock Pin provided,
GLAND PACKING:	Packing Below Thread (PBT) design prevent process fluid contact with stem threads. PTFE for Temp. below 400° F/Graphite for Temp above 400° F.
SEAT:	Integral Metal To Metal
HANDLE:	'T' bar handle. CS, ASTM A108 plated or ASTM A-479 316 SS
WASHER:	ASTM A 479 316 SS
PR. RATING :	10,000 psi @ 200°F
TEMP. RATING :	ASTM-A-479 316SS: - 65° F to 200°F CS-ASTM-A-105 : - 20° F to 200°F
OPTIONS:	<ul style="list-style-type: none">• Material of construction confirming to NACE MR-01-03• Other Materials available on request• Socket weld Ends• Compression Ends• Screwed Ends with BSP/ BSPT/ ISO/ Special Threads
DESIGN STANDARD:	Pressure Piping/Vessel codes ANSI B31.1 – Power Piping ANSI B31.2 – Fuel Gas Piping ANSI B31.3 – Chemical Plant petroleum refinery piping Section VIII-DIV1-Boiler & Pressure vessel code Threads & Dimensional Codes ANSI B2.1 – Pipe Threads ANSI B1.1 – Straight Threads ASME – B16.10 F To F Dimension of Valve. Temperature-Pressure Standard ASME B 31.3
REF. DRAWING:	AI-HSNV-001