

SIZES :	1/2" NPT(M) x 1/2" NPT(F)
BODY:	CS-ASTM-A 105 Plated, ASTM A 479 316 SS
ORIFICE:	4.2mm
END CONNECTIONS:	Screwed
STEM :	ASTM A 479 - 316 SS, Close tolerance surface finish, cold rolled threads
SEAT:	Integral Metal to Metal
NEEDLE TIP :	ASTM A 479 - 316 SS, Self Centering, non –rotating
GLAND PACKING :	Packing Below Thread (PBT) design prevents process fluid contact with steam thread. PTFE for Temp. below 400° F/Graphite for Temp above 400° F.
HANDLE :	'T' bar handle. CS, ASTM A108 plated or ASTM A-479 316 SS
WASHER :	316 SS
PRESSURE RATING :	10,000 psi @ 200°F
TEMPERATURE RATING :	-65 to 200°F for PTFE Packing -65 to 400°F for Grafoil®/Graphite
OPTIONS :	Material of construction conforming to NACE MR-01-75
DESIGN STANDARD :	A)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 B) Threads & Dimensional Codes ANSI B2.1 – Pipe Threads ANSI B1.1 – Straight Threads ASME – B16.10 F To F Dimension of Valve. C)Temperature-Pressure Standard ASME B 31.
REFERENCE DRAWING :	AI-B&B-HS-001, AI-B&B-HS-002, AI-B&B-HS-003 & AI-B&B-HS-004