

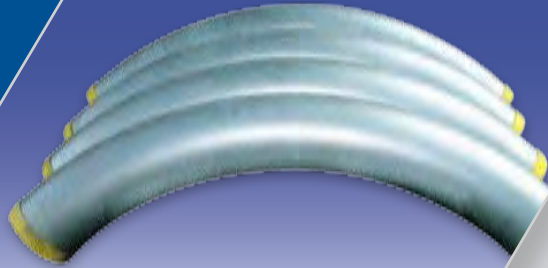


FERTILIZER:

UREA, AMMONIA AND OTHER FLUIDS 20 MPa - 70 MPa

1.

**FITTINGS AND PIPE
BENDS (UPTO NS16")**



2.

**ANGLE AND CHECK
VALVES (UPTO NS 10")**



3.

**CONTROL VALVES
(UPTO NS 16")**



4.

MATERIALS



1. FITTINGS AND PIPE BENDS (UP TO NS 16")

2. ANGLE AND CHECK VALVES (UP TO NS 10")

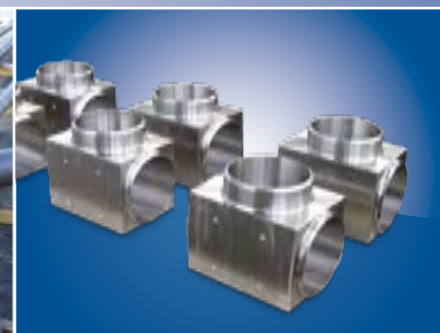
WELDING
of NS 14" Safurex pipe spool



WELDING NIPPLE
reducer up to NS 14"
25Cr-22Ni-2Mo
(BHDT A405)



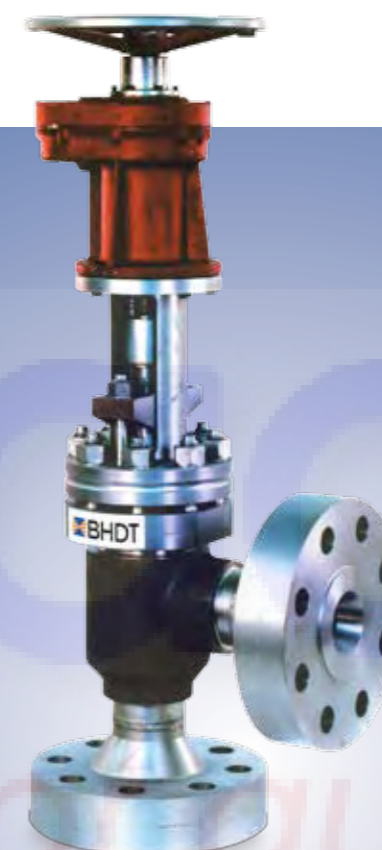
PREFABRICATED ISOMETRICS
up to NS 10"
25Cr-22Ni-2Mo
(BHDT A405)



T-PIECE
NS 12"
SA 182 F316LUG
(BHDT A220)



CHECK VALVE
with hollow cone, NS 6"
PN 25 MPa
25Cr-22Ni-2Mo
(BHDT A405)



ANGLE VALVE
gear operated, NS 6", weld neck flange, PN 2500 lbs
SA 182 F316LUG
(BHDT A220)



ANGLE VALVE
stub ends, steam jacket
NS 5", PN 18.5 MPa
SA 182 F316LUG
(BHDT A220)



VALVE BODY FOR MONOBLOCK VALVE
NS 1", PN 25 MPa
Safurex



ANGLE VALVE
NS 8", PN 37,8 MPa
SA 350 LF2
(BHDT V313)



VALVE BODY FOR ANGLE VALVE
NS 1", PN 25 MPa
Safurex

3. CONTROL VALVES (UPTO NS 16")

CONTROL VALVE: ANGLE, GLOBE, BUTTERFLY

- Characteristic: linear, equal %, on/off, modified
- Actuation: pneumatic: diaphragm, piston. Hydraulic and electric.
- Accessories: all types of positioner, position transmitter, solenoid valve, limit switch, air filter station, handwheel, booster, air lock relay, etc.
- Application: carbamate solution, urea let down, CO2 vent, ammonia, etc.

MATERIAL

- Body: SA182 F316LUG (BHD A220), 25Cr-22Ni-2Mo (BHD A405) & LTCS A350 LF2 (BHD V913), Titanium Gr. III & V & others to suit customer specs.
- Trim: HVD1, Ferralium 255, Super duplex (BHD grade A905, A926), Titanium, Zirconium.

ENDS

- Flanged (threaded, weld neck), DMF & as per customer specs.



CONTROL VALVE

NS 14", PN 250 bar, Linear characteristic
Cv value = 920, Pneumatic actuator with Intelligent positioner SRD, Position transmitter
Mat. 25Cr-22Ni-2Mo (BHD A405)

VALVE TEST FACILITY:

BHD has its own control valve testing facility.

NP0.6 MPa to 250 MPa, NS up to 300 mm

- Flow coefficient KV (Cv), characteristics
- Media pressure drop factor FI
- Leak test Pressure upstream of the valve
- Pressure downstream of the valve
- Pressure drop
- Stroke position



CONTROL VALVES

NS 4", PN 25 MPa
SA 182 F316LUG
(BHD A220)



CONTROL VALVE

NS 10", PN 32.5 MPa
Safurex



CONTROL VALVE

NS 16", PN 25 MPa
SA 182 F316LUG
(BHD A220)



GLOBE CONTROL VALVE

NS 4", PN 25 MPa
SA 182 F316LUG
(BHD A220)

4. MATERIALS

BHD STANDARD AUSTENITIC MATERIAL:

A220 1.4435 (SA 182 F316LUG)
A405 1.4466 (25Cr-22Ni-2Mo) - UNS S 31050

BHD STANDARD AUSTENITIC-FERRITIC MATERIAL (DUPLEX):

A905 1.4467 (X2CrMnNiMoN26 5 4)
A903 1.4462 (SA 182 F51 / STAC BE.01)

BHD STANDARD CARBON STEEL MATERIAL:

V913 1.1133 (SA 350 LF2)

All other materials also available acc. to customer specification



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