

No.	Piping	Size	QTY.	Unit	Description
1	PIPE	6"	618	m	ASTM A312 Gr.TP304, ASME B36.19, Sch 40s, Seamless,
2	PIPE	14"	720	m	ASTM A106 Gr.B, ASME B36.10, Sch.40, Seamless,
3	PIPE	3"	900	m	ASTM A106 Gr.B, ASME B36.10, Sch.40, Seamless,
4	PIPE	8"	60	m	ASTM A106 Gr.B, ASME B36.10, Sch.40, Seamless,
5	PIPE	6"	60	m	ASTM A106 Gr.B, ASME B36.10, Sch.40, Seamless
6	PIPE	1/12"	6	m	ASTM A106 Gr.B, ASME B36.10, Sch.40, Seamless,
7	PIPE	2"	60	m	ASTM A106 Gr.B, ASME B36.10, Sch.40, Seamless,
8	PIPE	2"	48	m	ASTM A312 Gr.TP304, ASME B36.19, Sch 40s, Seamless,
9	ELBOW	8"	7	Pcs.	ASTM A234 Gr.WPB,90d, ASME B16.9, LR, Sch.40
10	ELBOW	6"	7	Pcs.	ASTM A234 Gr.WPB,90d, ASME B16.9, LR, Sch.40
11	ELBOW	6"	65	Pcs.	ASTM A403 Gr. WP304,90d, ASME B16.9, LR, Sch.40
12	ELBOW	14"	91	Pcs.	ASTM A234 Gr.WPB,90d, ASME B16.9, LR, Sch.40
13	ELBOW	3"	81	Pcs.	ASTM A234 Gr.WPB,90d, ASME B16.9, LR, Sch.40
14	ELBOW	2"	21	Pcs.	ASTM A234 Gr.WPB,90d, ASME B16.9, LR, Sch.40
15	WELDOLET	14"x2"	5	Pcs.	WELDOLET,BW,ASTM A105 , ASME B31.3,STANDARD
16	WELDOLET	6"x2"	3	Pcs.	WELDOLET,BW, ASTM A182, Gr.F304, ASME B31.3,STANDARD
17	TEE	3"x3"x3"	4	Pcs.	ASTM A234 Gr.WPB, ASME B16.9, straight Tee, Sch.40
18	TEE	14"x14"x14"	3	Pcs.	ASTM A234 Gr.WPB, ASME B16.9, straight Tee, Sch.40
19	TEE	18"x18"x14"	1	Pcs.	ASTM A234 Gr.WPB, ASME B16.9, straight Tee, Sch.40
20	TEE	6"X6"X6"	2	Pcs.	ASTM A403, Gr.WP304, ASME B16.9, straight Tee, Sch.40
21	TEE	8"X8"X8"	2	Pcs.	ASTM A234 Gr.WPB, ASME B16.9, straight Tee, Sch.40
22	TEE	8"X8"X6"	3	Pcs.	ASTM A234 Gr.WPB, ASME B16.9, Reducing outlet Tee, Sch.40
23	RED	8"X6"	4	Pcs.	ASTM A234, Gr.WPB, ASME B16.9, Concentric Reducer, BW, Sch.40
24	FLAN	14"	20	Pcs.	Welding Neck Flange, ASTM A105, ASME B16.5, 150# RF &related stud bolts and nuts ACC to ASME B16.5 (BOLTS MATERIAL A193 Gr.B7 NUTS MATERIAL A194 Gr.2H , Both DACROMET COATING)
25	FLAN	3"	12	Pcs.	Welding Neck Flange, ASTM A105, ASME B16.5, 300# RF&related stud bolts and nuts ACC to ASME B16.5 (BOLTS MATERIAL A193 Gr.B7 NUTS MATERIAL A194 Gr.2H , Both DACROMET COATING)
26	FLAN	6"	12	Pcs.	Welding Neck Flange, ASTM A182, Gr.F304, ASME B16.5, 150# RF. Serrated Finish&related stud bolts and nuts ACC to ASME B16.5(BOLTS MATERIAL A193 Gr.B8 NUTS MATERIAL A194 Gr.8A)
27	FLAN	8"	7	Pcs.	Welding Neck Flange, ASTM A105, ASME B16.5, 300# RF&related stud bolts and nuts ACC to ASME B16.5 (BOLTS MATERIAL A193 Gr.B7 NUTS MATERIAL A194 Gr.2H , Both DACROMET COATING)
28	FLAN	6"	10	Pcs.	Welding Neck Flange, ASTM A105, ASME B16.5, 300# RF&related stud bolts and nuts ACC to ASME B16.5(BOLTS MATERIAL A193 Gr.B7 NUTS MATERIAL A194 Gr.2H , Both DACROMET COATING)
29	FLAN	1 1/2"	2	Pcs.	Welding Neck Flange, ASTM A105, ASME B16.5, 300# RF &related stud bolts and nuts ACC to ASME B16.5(BOLTS MATERIAL A193 Gr.B7 NUTS MATERIAL A194 Gr.2H , Both DACROMET COATING)
30	FLAN	2"	8	Pcs.	Welding Neck Flange, ASTM A105, ASME B16.5, 150# RF &related stud bolts and nuts ACC to ASME B16.5(BOLTS MATERIAL A193 Gr.B7 NUTS MATERIAL A194 Gr.2H , Both DACROMET COATING)
31	FLAN	2"	8	Pcs.	Welding Neck Flange, ASTM A182, Gr.F304, ASME B16.5, 150# RF. ,Serrated Finish &related stud bolts and nuts ACC to ASME B16.5(BOLTS MATERIAL A193 Gr.B8 NUTS MATERIAL A194 Gr.8A)
32	GASK	14"	20	Pcs.	Non-asbestos, ASTM F104, 2 mm (1/16”) thick, Garlock Style 3200 #150
33	GASK	3"	12	Pcs.	Non-asbestos, ASTM F104, 2 mm (1/16”) thick, Garlock Style 3200 or equal.Suitable for inert gas service #150
34	GASK	6"	20	Pcs.	ASTM F104 ,2 mm(1/16") thick ,Garlock Style 3505 ASME B16.21 , #150,SPIRAL WOUND #150
35	GASK	8"	6	Pcs.	Non-asbestos, ASTM F104, 2 mm (1/16”) thick, Garlock Style 3200 #300
36	GASK	1 1/2"	4	Pcs.	Non-asbestos, ASTM F104, 2 mm (1/16”) thick, Garlock Style 3200 #300
37	GASK	2"	20	Pcs.	Non-asbestos, ASTM F104, 2 mm (1/16”) thick, Garlock Style 3200 #150
38	VALVE	14"	4	Pcs.	Butterfly Valve,API 609, 150# Body A216 Gr.WCB, Disc A351 Gr.CF8M, Fire Safe seat, (High performance) full port , flanged ends,Asme B16.5 RF,WITH PENUMATIC ACTUATOR FOR P=10 bar ,POSITIONER ,LIMIT SWITCH,AIR FILTER REGULATOR WITH GAGE 0~16 bar ,
39	VALVE	14"	1	Pcs.	Ball Valve,API 608, 150# Body A216 Gr.WCB, Disc A351 Gr.CF8M, Fire Safe seat, (High performance) full port , flanged ends,Asme B16.5 #RF,WITH Gear Operator
40	VALVE	3"	2	Pcs.	Ball Valve,,API 608, 300# Body A216 Gr.WCB, Disc A351 Gr.CF8M, Fire Safe seat,full port , flanged ends,Asme B16.5 #RF (High performance), WITH Gear Operator
41	VALVE	10"	1	Pcs.	Ball Valve,,API 608, 300# Body A216 Gr.WCB, Disc A351 Gr.CF8M, Fire Safe seat,full port , flanged ends,Asme B16.5 #RF (High performance), WITH Gear Operator
42	VALVE	6"	1	Pcs.	Ball Valve,,API 608, 150# Body 316 SS. Or A351 Gr.CF8M,, Disc 316 S.S , fire safe seat , full port , flanged ends Asme B16.5 #RF ,WITH Gear Operator/ ANTISTATIC MECHANISM
43	VALVE	8"	1	Pcs.	Ball Valve,,API 608, 150# Body 316 SS. Or A351 Gr.CF8M,, Disc 316 S.S , fire safe seat , full port , flanged ends Asme B16.5 #RF WITH Gear Operator/ ANTISTATIC MECHANISM
44	VALVE	1 1/2" x2 "	2	Pcs.	Pressure safety valve , # 300 Asme B16.5 flange type #RF ,RELIFE, Body AND BONNET : S.S316/CABON STEEL, SEAT AND DISC : HARDENED STAINLESS STEEL,GUIDE AND RING : 430/tenifer/316Ti , SCRWED CAP,SET PRESSURE :5 BAR, OPERATING TEMP AMBIENT, COMPRESSIBILITY FACTOR : 0.98
45	VALVE	6"	3	Pcs.	SELF REGULATOR VALVE ,MANUFACTURER :SAMSON TYPE 2422/2425 #300 , Asme B16.5 flange type #RF , Body A216 Gr.WCB, Disc A351 Gr.CF8M , SET PRESSURE: 2 BAR , outlet pressure : 1~4 bar , gas inlet pressure : 10 ~25 bar , ambient temp : -29 ~ +60
46	VALVE	6"	1	Pcs.	Ball Valve,,API 608, 300# Body A216 Gr.WCB, Disc A351 Gr.CF8M, Fire Safe seat,full port , flanged ends,Asme B16.5 #RF (High performance), WITH Gear Operator
47	VALVE	2"	4	Pcs.	Ball Valve,,API 608, 150# Body A216 Gr.WCB, Disc A351 Gr.CF8M, ,full port , flanged ends,Asme B16.5 #RF
48	VALVE	2"	2	Pcs.	Ball Valve,,API 608, 150# Body 316 SS. Or A351 Gr.CF8M,, Disc 316 S.S , fire safe seat , full port , flanged ends Asme B16.5 #RF