

Manual Valves

Valve type	Valve code	Valve size	Design Conditions		Operating Conditions		Safety Class	Valve Description	Quantity	NOTES	PRICING
			Temp [°C]	Press.[kPa(g)]	Temp [°C]	Press.[kPa(g)]					
Ball Valve	SB	1/4"	93	8550	60	-13	SC 3	Connection ends: TCE x M-NPT, Class 600, SS TP 316 SS, Compression Ferrule tube Fitting. Body: SS, ASTM A182-F316/A351-CF8M Trim: 316 SS Packing/Seal: TFE Ball material: 316 SS Bonnet/Cap: 316 SS	4		
Ball Valve	SB	15 mm	93	1585	30	520	SC 3	Connection ends: RF, B16.5 or NPT-M/F as B1.20.1, Class 150 Body: SS, ASTM A182-F316/A351-CF8M Trim: 316 SS Packing/Seal: Graphite Ball material: 316 SS Bonnet/Cap: 316 SS	11		
Ball Valve	CB	15 mm	93	1795	Amb	520	SC 3	Connection ends: RF, B16.5 or NPT-M/F as B1.20.1, Class 150 Body: CS, ASTM A105/A126 WCB Trim: CS Packing/Seal: Graphite Ball material: CS Bonnet/Cap: CS	3		
Ball Valve	SB	15 mm	93	20685	Amb	600	SC 3	Connection ends: RF, B16.5 or NPT-M/F as B1.20.1, Class 1500 Body: SS, ASTM A182-F316/A351-CF8M Trim: 316 SS Packing/Seal: Graphite Ball material: 316 SS Bonnet/Cap: 316 SS	15		
Ball Valve	SB	15 mm	93	20685	Amb	20000	SC 3	Connection ends: RF, B16.5 or NPT-M/F as B1.20.1, Class 1500 Body: 316 SS, ASTM A182-F316/A351-CF8M Trim: 316 SS Packing/Seal: Graphite Ball material: 316 SS Bonnet/Cap: 316 SS	1		
Ball Valve	SB	25 mm	93	1585	40	-5 to 600	SC 3	Connection ends: RF, B16.5 or NPT-M/F as B1.20.1, Class 150 Body: 316 SS, ASTM A182-F316/A351-CF8M Trim: 316 SS Packing/Seal: Graphite Ball material: 316 SS Bonnet/Cap: 316 SS	24	Provide 5 LC (Lockable) ball valves of the 24 ball valves.	
Ball Valve	SB	25 mm	93	20685	35	-5 to 600	SC 3	Connection ends: RF, B16.5 or NPT-M/F as B1.20.1, Class 1500 Body: 316 SS, ASTM A182-F316/A351-CF8M Trim: 316 SS Packing/Seal: Graphite Ball material: 316 SS Bonnet/Cap: 316 SS	1		
Ball Valve	CB	25 mm	93	1795	40	520	SC 3	Connection ends: RF, B16.5 or NPT-M/F as B1.20.1, Class 150 Body: CS, ASTM A105/A126 WCB Trim: 316 SS Packing/Seal: Graphite Ball material: 316 SS Bonnet/Cap: 316 SS	3		
Ball Valve	SB	40 mm	93	1585	45	-7 to 520	SC 3	Connection ends: RF, B16.5, Class 150 Body: 316 SS, ASTM A182-F316/A351-CF8M Trim: 316 SS Packing/Seal: Graphite Ball material: 316 SS Bonnet/Cap: 316 SS	6		
Ball Valve	CB	40 mm	93	1795	30	520	SC 3	Connection ends: RF, B16.5, Class 150 Body: CS, ASTM A105/A126 WCB Trim: 316 SS Packing/Seal: Graphite Ball material: 316 SS Bonnet/Cap: 316 SS	1		
Ball Valve	SB	50 mm	93	1585	Amb	520	SC 3	Connection ends: RF, B16.5, Class 150 Body: 316 SS Trim: 316 SS Packing/Seal: Graphite Ball material: 316 SS Bonnet/Cap: 316 SS	7	Provide 1 LC (Lockable) ball valves of the 7 ball valves.	

**PTFE Filter Destruction Plant System Valve List
For procurement.**

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Valve type	Valve code	Valve size	Design Conditions		Operating Conditions		Safety Class	Valve Description	Quantity	NOTES	PRICING
			Temp [°C]	Press.[kPa(g)]	Temp [°C]	Press.[kPa(g)]					
Ball Valve	SB	50 mm	375	740	800	-5	SC 3	Connection ends: RF, B16.5, Class 150 Body: 316 SS, ASTM A182-F316/A351-CF8M Trim: 316 SS Packing/Seal: Graphite Ball material: 316 SS Bonnet/Cap: 316 SS	1		
Ball Valve	CB	50 mm	93	1795	35	600	SC 3	Connection ends: RF, B16.5, Class 150 Body: CS ASTM A105/A216 WCB Trim: 316 SS Packing/Seal: Graphite Ball material: 316 SS Bonnet/Cap: 316 SS	3		
Ball Valve	SB	100 mm	93	1585	Amb	-5 to -12	SC 3	Connection ends: RF, B16.5, Class 150 Body: 316 SS, ASTM A182-F316/A351-CF8M Trim: 316 SS Packing/Seal: Graphite Ball material: 316 SS Bonnet/Cap: 316 SS	6		
Ball Valve	CB	100 mm	93	20685	45	-10	SC 3	Connection ends: RF, B16.5, Class 150 Body: CS ASTM A105/A216 WCB Trim: 316 SS Packing/Seal: Graphite Ball material: 316 SS Bonnet/Cap: 316 SS	2		
Globe Valve	SB	15 mm	93	1585	45	600	SC 3	Connection ends: RF, B16.5 or NPT-M/F as B1.20.1, Class 150 Body: 316 SS, ASTM A351 - CF8M Trim: 316 SS Packing/Seal: API 600 Ball material: 316 SS Bonnet/Cap: 316 SS	10		
Globe Valve	CG	15 mm	93	1795	25	4,4	SC 3	Connection ends: RF, B16.15 or NPT-M/F as B1.20.1, Class 150 Body: CS ASTM A105/A216 WCB Trim: 316 SS Packing/Seal: API 600 Ball material: 316 SS Bonnet/Cap: 316 SS	1		
Globe Valve	SB	25 mm	93	1585	45	600	SC 3	Connection ends: RF, B16.5 or NPT-M/F as B1.20.1, Class 150 Body: SS 316, ASTM A351 - CF8M Trim: 316 SS Packing/Seal: API 600 Ball material: 316 SS Bonnet/Cap: 316 SS	5		
Globe Valve	CG	25 mm	93	1795	Amb	-5	SC 3	Connection ends: RF, B16.5 or NPT-M/F as B1.20.1, Class 150 Body: CS, ASTM A105/A216 WCB Trim: CS Packing/Seal: API 600 Ball material: CS Bonnet/Cap: CS	1		
Globe Valve	SB	40 mm	93	1585	45	520	SC 3	Connection ends: RF, B16.5, Class 150 Body: SS 316, ASTM A351 - CF8M Trim: 316 SS Packing/Seal: API 600 Ball material: 316 SS Bonnet/Cap: 316 SS	2		
Globe Valve	SB	50 mm	93	1585	45	520	SC 3	Connection ends: RF, B16.5, Class 150 Body: 316 SS, ASTM A351 - CF8M Trim: 316 SS Packing/Seal: API 600 Ball material: 316 SS Bonnet/Cap: 316 SS	2		
Needle Valve	SN	15 mm	93	20685	Amb	400	SC 3	Connection ends: RF, B16.5 OR NPT-F/M B1.20.1 - Class 1500 Body: 316 SS Trim: 316 SS Packing/Seal: API 600 Ball material: 316 SS Bonnet/Cap: 316 SS	5		

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Valve type	Valve code	Valve size	Design Conditions		Operating Conditions		Safety Class	Valve Description	Quantity	NOTES	PRICING
			Temp [°C]	Press.[kPa(g)]	Temp [°C]	Press.[kPa(g)]					
Needle Valve	SN	1/4"	93	8550	60	-12,7 to 150	SC 3	Connection ends: TCE X NPT-M/F, SS TP 316 SS, compression ferrule tube fitting, Class 600 Body: 316 SS, ASTM A182-F316/A351-CF8M or advise by supplier. Trim: 316 SS Packing/Seal: API 600 Ball material: 316 SS Bonnet/Cap: 316 SS	16		
Non-return Valve	SU	15 mm	93	20685	Amb	600	SC 3	Connection ends: RF, B16.5 OR NPT-F/M B1.20.1, Class 1500 Body: 316 SS, ASTM A182-F316/A351-CF8M Trim: 316 SS Packing/Seal: API 602 Ball material: 316 SS Bonnet/Cap: 316 SS	10		
Non-return Valve	SU	15 mm	93	1585	Amb	20000	SC 3	Connection ends: RF, B16.5 OR NPT-F/M B1.20.1, Class 1500 Body: 316 SS, ASTM A182-F316/A351-CF8M Trim: 316 SS Packing/Seal: API 602 Ball material: 316 SS Bonnet/Cap: 316 SS	1		
Non-return Valve	CU	15 mm	93	1965	Amb	520	SC 3	Connection ends: RF, B16.5 OR NPT-F/M B1.20.1, Class 1500 Body: CS, ASTM A105/A216 WCB Trim: 13 CR Packing/Seal: API 602 Ball material: CS Bonnet/Cap: CS	1		
Non-return Valve	SU	25 mm	93	1585	45	230	SC 3	Connection ends: RF, B16.5 OR NPT-F/M B1.20.1, Class 150 Body: 316 SS, ASTM A182-F316/A351-CF8M Trim: 316 SS Packing/Seal: API 600 Ball material: 316 SS Bonnet/Cap: 316 SS	1		
Non-return Valve	CU	25 mm	93	1795	Amb	-5	SC 3	Connection ends: RF, B16.5 OR NPT-F/M B1.20.1, Class 150 Body: CS, ASTM A105/A216 WCB Trim: 13 CR Packing/Seal: API 602 Ball material: CS Bonnet/Cap: CS	1		
Non-return Valve	SU	40 mm	93	1585	45	158	SC 3	Connection ends: RF, B16.5, Class 150 Body: 316 SS, ASTM A182-F316/A351-CF8M Trim: 316 SS Packing/Seal: API 600 Ball material: 316 SS Bonnet/Cap: 316 SS	1		
Non-return Valve	SU	50 mm	93	1585	30	520	SC 3	Connection ends: RF, B16.5, Class 150 Body: 316 SS, ASTM A182-F316/A351-CF8M Trim: 316 SS Packing/Seal: API 600 Bonnet/Cap: 316 SS	2		
Non-return Valve	CU	50	93	1795	25	247	SC 3	Connection ends: RF, B16.5, Class 150 Body: CS, ASTM A105/A126 WCB Trim: 13 CR Packing/Seal: API 602 Bonnet/Cap: CS	1		
Strainer	SQ	25 mm	93	1585	45	9,1	SC 3	Connection ends: RF, B16.5 or NPT-F/M B1.20.1, Class 150 Body: 304/316 SS, ASTM A182-F316/A351-CF8M Trim: SS 304/316 Packing/Seal: GRAPHITE (supplier to advise) Ball material: 316 SS Bonnet/Cap: 316 SS	1		
Strainer	SQ	40 mm	93	1585	45	30,1	SC 3	Connection ends: RF, B16.15, Class 150 Body: 304/316 SS, ASTM A182-F316/A351-CF8M Trim: 304/316 SS Packing/Seal: CAF (supplier to advise) Ball material: 316 SS Bonnet/Cap: 316 SS	1		

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