

Item No.	Unit 1 (System Code)			Unit 2 (Equipment Code)			Unit 3 (Component Code)			Value Description	Manufacturer / Country of Origin	Design Condition Press ( barg)	Design Condition Temp ( °C)	Fluid Medium	Valve Type (See Item 2.5 of Item SH)	Nominal Valve Size (DN)	Valve Rating (LB)	Body Material	End Connection (See Item 2.8 of Item SH)	Valve Operation (See Item 2.11 of Item SH)	Reference P&ID	Remarks
	G	F <sub>1</sub>	F <sub>2</sub>	F <sub>3</sub>	F <sub>4</sub>	F <sub>5</sub>	A-1	A-2	A-3													
4579	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4580	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4581	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4582	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4583	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4584	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4585	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4586	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4587	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4588	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4589	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4590	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4591	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4592	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4593	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4594	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4595	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4596	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4597	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4598	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4599	0	0	0	0	0	0	0	0	0	0	12	41	C	REGULATOR	15	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4600	0	0	0	0	0	0	0	0	0	0	11	41	SW	BALL	50	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4601	0	0	0	0	0	0	0	0	0	0	12.2	41	SW	REGULATOR	50	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4602	0	0	0	0	0	0	0	0	0	0	5	41	SW	BALL	50	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4603	0	0	0	0	0	0	0	0	0	0	5	41	SW	BALL CHECK	50	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4604	0	0	0	0	0	0	0	0	0	0	13	41	UPING WATER	REGULATOR	40	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4605	0	0	0	0	0	0	0	0	0	0	10	41	UPING WATER	BALL	40	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4606	0	0	0	0	0	0	0	0	0	0	10	41	UPING WATER	BALL CHECK	40	1000 psi	SS316	THREADED	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0001	BY SOV PANEL VENDOR	
4607	0	0	0	0	0	0	0	0	0	0	10	41	UPING WATER	CHECK VALVE	300	PN10	SS316L	WAFER	MANUALLY BY HANDWHEEL	TUBESL-JOFF-CO8MHPF0004	BY SOV PANEL VENDOR	
4608	0	0	0	0	0	0	0	0	0	0	2.5	30	WASTE WATER	BUTTERFLY VALVE	300	PN10	DOCTILE IRON WITH POLYESTER LINED	WAFER	MANUALLY BY HANDWHEEL	TUBESL-JOFF-CO8MHPF0004	BY SOV PANEL VENDOR	
4609	0	0	0	0	0	0	0	0	0	0	2.5	30	WASTE WATER	BUTTERFLY VALVE	300	PN10	DOCTILE IRON WITH POLYESTER LINED	WAFER	MANUALLY BY HANDWHEEL	TUBESL-JOFF-CO8MHPF0004	BY SOV PANEL VENDOR	
4610	0	0	0	0	0	0	0	0	0	0	2.5	30	WASTE WATER	BUTTERFLY VALVE	300	PN10	DOCTILE IRON WITH POLYESTER LINED	WAFER	MANUALLY BY HANDWHEEL	TUBESL-JOFF-CO8MHPF0004	BY SOV PANEL VENDOR	
4611	0	0	0	0	0	0	0	0	0	0	2.5	30	WASTE WATER	BUTTERFLY VALVE	300	PN10	DOCTILE IRON WITH POLYESTER LINED	WAFER	MANUALLY BY HANDWHEEL	TUBESL-JOFF-CO8MHPF0004	BY SOV PANEL VENDOR	
4612	0	0	0	0	0	0	0	0	0	0	2.5	30	WASTE WATER	BUTTERFLY VALVE	300	PN10	DOCTILE IRON WITH POLYESTER LINED	WAFER	MANUALLY BY HANDWHEEL	TUBESL-JOFF-CO8MHPF0004	BY SOV PANEL VENDOR	
4613	0	0	0	0	0	0	0	0	0	0	2.5	30	WASTE WATER	BUTTERFLY VALVE	300	PN10	DOCTILE IRON WITH POLYESTER LINED	WAFER	MANUALLY BY HANDWHEEL	TUBESL-JOFF-CO8MHPF0004	BY SOV PANEL VENDOR	
4614	0	0	0	0	0	0	0	0	0	0	2.5	30	WASTE WATER	BUTTERFLY VALVE	300	PN10	DOCTILE IRON WITH POLYESTER LINED	WAFER	MANUALLY BY HANDWHEEL	TUBESL-JOFF-CO8MHPF0004	BY SOV PANEL VENDOR	
4615	0	0	0	0	0	0	0	0	0	0	2.5	30	WASTE WATER	BUTTERFLY VALVE	300	PN10	DOCTILE IRON WITH POLYESTER LINED	WAFER	MANUALLY BY HANDWHEEL	TUBESL-JOFF-CO8MHPF0004	BY SOV PANEL VENDOR	
4616	0	0	0	0	0	0	0	0	0	0	2.5	30	WASTE WATER	BUTTERFLY VALVE	300	PN10	DOCTILE IRON WITH POLYESTER LINED	WAFER	MANUALLY BY HANDWHEEL	TUBESL-JOFF-CO8MHPF0004	BY SOV PANEL VENDOR	
4617	0	0	0	0	0	0	0	0	0	0	2.5	30	WASTE WATER	BUTTERFLY VALVE	300	PN10	DOCTILE IRON WITH POLYESTER LINED	WAFER	MANUALLY BY HANDWHEEL	TUBESL-JOFF-CO8MHPF0004	BY SOV PANEL VENDOR	
4618	0	0	0	0	0	0	0	0	0	0	2.5	30	WASTE WATER	BUTTERFLY VALVE	300	PN10	DOCTILE IRON WITH POLYESTER LINED	WAFER	MANUALLY BY HANDWHEEL	TUBESL-JOFF-CO8MHPF0004	BY SOV PANEL VENDOR	
4619	0	0	0	0	0	0	0	0	0	0	2.5	30	WASTE WATER	BUTTERFLY VALVE	300	PN10	DOCTILE IRON WITH POLYESTER LINED	WAFER	MANUALLY BY HANDWHEEL	TUBESL-JOFF-CO8MHPF0004	BY SOV PANEL VENDOR	
4620	0	0	0	0	0	0	0	0	0	0	3	30	COAGULANT	BALL VALVE	25	PN10	UPVC	UNION	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0005	BY SOV PANEL VENDOR	
4621	0	0	0	0	0	0	0	0	0	0	3	30	COAGULANT	BACK PRESSURE VALVE	25	PN10	UPVC	UNION	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0005	BY SOV PANEL VENDOR	
4622	0	0	0	0	0	0	0	0	0	0	3	30	FLOCCULENT	BACK PRESSURE VALVE	25	PN10	UPVC	UNION	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0005	BY SOV PANEL VENDOR	
4623	0	0	0	0	0	0	0	0	0	0	3	30	FLOCCULENT	BACK PRESSURE VALVE	25	PN10	UPVC	UNION	MANUALLY BY HANDLE	TUBESL-JOFF-CO8MHPF0005	BY SOV PANEL VENDOR	