

Valve List for the Uranium Contaminated Waste Oil Plasma Gasification Demonstration Facility (Gas Supply System)

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Valve Size	Valve Type	Design		SSC Safety Class		Process Connection				Materials of Construction						Comment	Quantity	Valve ID
		Temp. [°C]	Press. [kPa(g)]	Nuclear (N)	Chemical (C)	Size	Type	Flange Spec.	Flange Rating	Body	Trim	Packing or Seal	Seat	Plug, Ball or Disc	Bonnet or Cap			
SUBSYSTEM 1600 - GAS SUPPLY SYSTEM (P&ID [10])																		
25	Ball valve	38	24820	Non-classified	SC-3	25	RF	ASME B16.5	CLASS 1500	316 SS	316 SS	SUPPLIER TO ADVISE	RTFE	BALL	SUPPLIER TO ADVISE	Valve to be cleaned and packaged for Oxygen service.	3	SB1
15	Ball valve	38	24820	Non-classified	SC-3	15	RF	ASME B16.5	CLASS 1500	316 SS	316 SS	SUPPLIER TO ADVISE	RTFE	BALL	SUPPLIER TO ADVISE	Valve to be cleaned and packaged for Oxygen service.	2	SB2
15	Ball valve	38	24820	Non-classified	SC-3	15	RF	ASME B16.5	CLASS 1500	316 SS	316 SS	SUPPLIER TO ADVISE	RTFE	BALL	SUPPLIER TO ADVISE	Deadman valve.	1	SB3
15	Ball valve	38	24820	Non-classified	SC-3	15	RF	ASME B16.5	CLASS 1500	316 SS	316 SS	SUPPLIER TO ADVISE	RTFE	BALL	SUPPLIER TO ADVISE	-	12	SB4
15	Globe valve	38	24820	Non-classified	SC-3	15	RF	ASME B16.5	CLASS 1500	SS (ASTM A182-F316/A351-CF8M)	316 SS, HARDFACE SEAT, API 602 TRIM #12	CORROSION-INHIBITED, DIE-FORMED FLEXIBLE GRAPHITE with ANTI-EXTRUSION RINGS	SUPPLIER	DISC	SS	Valve to be cleaned and packaged for Oxygen service.	2	SG1
15	Globe valve	93	20685	Non-classified	SC-3	15	RF	ASME B16.5	CLASS 1500	SS (ASTM A182-F316/A351-CF8M)	316 SS, HARDFACE SEAT, API 602 TRIM #12	CORROSION-INHIBITED, DIE-FORMED FLEXIBLE GRAPHITE with ANTI-EXTRUSION RINGS	SUPPLIER	DISC	SS	-	2	SG2
15	Globe valve	38	24820	Non-classified	SC-3	15	RF	ASME B16.5	CLASS 1500	SS (ASTM A182-F316/A351-CF8M)	316 SS, HARDFACE SEAT, API 602 TRIM #12	CORROSION-INHIBITED, DIE-FORMED FLEXIBLE GRAPHITE with ANTI-EXTRUSION RINGS		DISC	SS	Valve services only the PTFE Facility.	4	SG3
25	Non-return	38	24820	Non-classified	SC-3	25	RF	ASME B16.5	CLASS 1500	SS (ASTM A182-F316/A351-CF8M)	316 SS, HARDFACE SEAT, API 602 TRIM #12	API 602	-	SWING TYPE	SS	(HORIZONTAL with COVER UP or VERTICAL with UPWARD FLOW); Valve to be cleaned and packaged for Oxygen service.	1	SU1
15	Non-return	38	24820	Non-classified	SC-3	15	RF	ASME B16.5	CLASS 1500	SS (ASTM A182-F316/A351-CF8M)	316 SS, HARDFACE SEAT, API 602 TRIM #12	API 602	-	SWING TYPE	SS	(HORIZONTAL with COVER UP or VERTICAL with UPWARD FLOW); Valve to be cleaned and packaged for Oxygen service.	2	SU2
15	Non-return	38	24820	Non-classified	SC-3	15	RF	ASME B16.5	CLASS 1500	SS (ASTM A182-F316/A351-CF8M)	316 SS, HARDFACE SEAT, API 602 TRIM #12	API 602	-	SWING TYPE	SS	(HORIZONTAL with COVER UP or VERTICAL with UPWARD FLOW).	14	SU3

Total 43