 TORUS	· Owner VALVE LIST			Document No.	MEC-LST-003	
				Revision / Date	A · September 29, 2026	
				Issue purpose	Issued for Review	
MECHANICAL · VALVE LIST						
Rev.	Date	Revision description	Prepared	Reviewed	Approved	
A	2026-09-29	Issued for Review				

NOTES

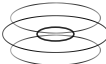
1. This list covers every manual and automated valve in the station piping, with tag, size, pressure class, type, operator, end connection and P&ID. Tags are from PRO-LST-101, P&ID Line and Tag Register; sizes, classes and ends are from the piping general arrangement and PIP-SPC-001, Piping Material Specification.
2. Hydrotest vent and drain valves and instrument root valves are not tagged on the P&IDs (3/4 in Class 6000 socket weld, valve and plug). Table 1-4 identifies them by line and sequence number for the weld map and the material take-off. Valves inside vendor packages are listed in Table 1-5 for completeness.
3. Actuation is zero-emission electric or self-contained electro-hydraulic only, with no gas-driven pneumatic devices, per GEN-DB-001, Basis of Design, Section 7.
4. NPS 8 and larger ball valves are trunnion mounted, full bore, API 6D, fire tested to API 6FA / API 607, anti-static, with blowout-proof stems and double block and bleed bodies with 3/4 in body vent and drain; Class 600 raised face per ASME B16.5, face-to-face per ASME B16.10 long pattern. Valve bodies are A352 LCC or A350 LF2, impact tested at -20 °F.
5. Torque, stroke time and actuator sizing for SDV-101, SDV-102 and SDV-103 are in MEC-DS-006, Ball Valves. SDV-102 closes in 4 s or less for the overpressure shutdown function. All NPS 2 and larger Class 600 manual ball valves have gear operators because the breakaway torque is too high for a lever.
6. CKV-171 is an axial nozzle check valve (MEC-DS-007). A swing check was rejected because its disc stays partly open below about 94 MMSCFD, which includes the normal flow case; the outlet is not pigged.
7. The standby meter run is kept pressurized with MOV-122 open so that it is never blocked in at both ends.
8. Locked (LO / LC) and car-sealed (CSO) valves carry the Owner's lock or seal program tags.

TAGGED VALVES

Table 1-1: Tagged Valves, Type and Rating

Tag	Service	NPS	Class	Type	Ends	Normal position
BDV-102	PR-101 barrel vent to VS-101	2	Class 600	Ball, floating, full bore, API 6D / B16.34	RF flanged	NC
BDV-181	Inlet section blowdown	2	Class 600	Ball, floating, full bore, API 6D / B16.34	RF flanged	NC
BDV-182	Meter and heater section blowdown	2	Class 600	Ball, floating, full bore, API 6D / B16.34	RF flanged	NC
BDV-183	Outlet section blowdown	2	Class 600	Ball, floating, full bore, API 6D / B16.34	RF flanged	NC
CKV-171	Outlet check valve, axial nozzle	12	Class 600	Check, axial nozzle, full-bore body (not piggable, MEC-DS-007), API 6D	RF flanged	-
FCV-131	Flow control valve, electric, FL, low-noise trim	8	Class 600	Globe, control, ISA-75 / B16.34	RF flanged	Modulating (FL)
FCV-132	Flow control valve, electric, FL, low-noise trim	8	Class 600	Globe, control, ISA-75 / B16.34	RF flanged	Standby (FL)
HV-101A	PR-101 mainline valve	12	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NO
HV-101B	PR-101 barrel (trap) valve, full bore	12	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NC
HV-101C	PR-101 kicker valve	8	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NC
HV-101D	PR-101 equalizing / pressurizing	2	Class 600	Globe, B16.34	RF flanged	NC
HV-101E	PR-101 drain isolation	2	Class 600	Ball, floating, full bore, API 6D / B16.34	RF flanged	NC
HV-101F	PR-101 drain throttling	2	Class 600	Globe, B16.34	RF flanged	NC
HV-101G	PSV-101 inlet isolation	2	Class 600	Ball, floating, full bore, API 6D / B16.34	RF flanged	CSO
HV-101H	SDV-101 equalizing bypass, globe Cv 5, NC	1	Class 800	Globe, forged, API 602 Class 800 SW	SW	NC
HV-102H	SDV-102 equalizing bypass, globe Cv 1 needle trim, NC	1	Class 800	Globe, forged, API 602 Class 800 SW	SW	NC
HV-103A	V-101 inlet isolation	12	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NO
HV-103B	V-101 outlet isolation	12	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NO
HV-103C	V-101 bypass, upstream, LC	12	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	LC
HV-103D	V-101 bypass, downstream, LC	12	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	LC



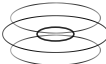
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Tag	Service	NPS	Class	Type	Ends	Normal position
HV-103H	SDV-103 equalizing bypass, globe Cv 1 needle trim, NC	1	Class 800	Globe, forged, API 602 Class 800 SW	SW	NC
HV-104A	LCV-104 upstream isolation	2	Class 600	Ball, floating, full bore, API 6D / B16.34	RF flanged	NO
HV-104B	LCV-104 downstream isolation	2	Class 600	Ball, floating, full bore, API 6D / B16.34	RF flanged	NO
HV-104C	LCV-104 bypass, throttling	2	Class 600	Globe, B16.34	RF flanged	NC
HV-104D	Filter section drain isolation	2	Class 600	Ball, floating, full bore, API 6D / B16.34	RF flanged	NC
HV-104E	Filter section drain throttling	2	Class 600	Globe, B16.34	RF flanged	NC
HV-131A	FCV-131 upstream isolation	12	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NO
HV-131B	FCV-131 downstream isolation	12	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NO
HV-132A	FCV-132 upstream isolation	12	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NO
HV-132B	FCV-132 downstream isolation	12	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NO
HV-133D	Line 1033 maintenance vent, NC	1	Class 800	Ball, floating, B16.34	SW	NC
HV-158A	H-101 inlet valve	12	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NO (winter)
HV-158B	H-101 outlet valve	12	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NO (winter)
HV-158C	H-101 bypass valve	12	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NC (winter)
HV-161A	Fuel gas take-off root valve, LO	2	Class 600	Ball, floating, full bore, API 6D / B16.34	RF flanged	LO
HV-165A	H-101 fuel supply isolation, LO	2	Class 150	Ball, floating, full bore, API 6D / B16.34	RF flanged	LO
HV-165B	G-101 fuel supply isolation, LO	1	Class 150	Ball, floating, B16.34	RF flanged	LO
HV-172A	Outlet lateral blowdown	2	Class 600	Ball, floating, full bore, API 6D / B16.34	RF flanged	LC
HV-180A	VS-101 base drain with plug, to portable pan	2	Class 150	Ball, floating, 304/304L S1, with plug, API 6D / B16.34	RF flanged	NC
HV-180B	VS-101 purge / snuffing connection	1	Class 150	Ball, floating (plugged), API 6D / B16.34	RF flanged	NC
HV-191A	T-101 inlet (1060), LO	4	Class 150	Ball, floating, full bore, API 6D / B16.34	RF flanged	LO
HV-191B	T-101 inlet (1061), LO	2	Class 150	Ball, floating, full bore, API 6D / B16.34	RF flanged	LO
HV-191D	T-101 loadout isolation, NC	3	Class 150	Ball, floating, full bore, API 6D / B16.34	RF flanged	NC
HV-191E	Truck loadout valve, LC, with 3 in dry-break coupling and cap	3	Class 150	Ball, floating, full bore, API 6D / B16.34	RF flanged	LC
HV-191F	T-101 bottom drain / water draw, NC	2	Class 150	Ball, floating, full bore, API 6D / B16.34	RF flanged	NC
HV-191G	Containment drain, LC	4	Class 150	Ball, floating, full bore, API 6D / B16.34	RF flanged	LC
LCV-104	V-101 barrel dump, electric	2	Class 600	Globe, control, ISA-75 / B16.34	RF flanged	Modulating (FL)
MOV-111	Run 1 inlet isolation, DBB	10	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NO (FL)
MOV-112	Run 1 outlet isolation, DBB	10	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NO (FL)
MOV-115	Series crossover, NC locked	10	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	LC (FL)
MOV-121	Run 2 inlet isolation, DBB	10	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NC (FL, standby)
MOV-122	Run 2 outlet isolation, DBB	10	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NO (FL, standby run kept pressurized)
SDV-101	Station inlet SDV, FC	12	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NO (FC)
SDV-102	OPSS shutdown valve, FC, <=10 s	12	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NO (FC)
SDV-103	Station outlet SDV, FC	12	Class 600	Ball, trunnion, full bore, API 6D	RF flanged	NO (FC)
SDV-106	V-101 liquid blow-by shutoff, electric spring-return, FC	2	Class 600	Ball, floating, full bore, API 6D / B16.34	RF flanged	NO (FC)
SDV-165	Fuel gas shutoff, FC	2	Class 150	Ball, floating, full bore, API 6D / B16.34	RF flanged	NO (FC)



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Table 1-2: Tagged Valves, Operator, Line and Datasheet

Tag	Operator	Line	P&ID	Datasheet
BDV-102	Manual, gear operator, locking device (MEC-DS-006)	1075 / PR-101	PRO-DWG-101	MEC-DS-006
BDV-181	Manual, gear operator, locking device (MEC-DS-006)	1002 / 1072	PRO-DWG-101	MEC-DS-006
BDV-182	Manual, gear operator, locking device (MEC-DS-006)	1020 / 1073	PRO-DWG-105	MEC-DS-006
BDV-183	Manual, gear operator, locking device (MEC-DS-006)	1040 / 1074	PRO-DWG-108	MEC-DS-006
CKV-171	None (self-acting)	12"-G-1040-A6	PRO-DWG-107	MEC-DS-007
FCV-131	Electric modulating, handwheel, fail last	12"-G-1031-A6	PRO-DWG-107	INS control valve datasheet
FCV-132	Electric modulating, handwheel, fail last	12"-G-1032-A6	PRO-DWG-107	INS control valve datasheet
HV-101A	Manual, gear operator with handwheel	12"-G-1001-A6	PRO-DWG-101	MEC-DS-006
HV-101B	Manual, gear operator with handwheel	12"-G-1001-A6	PRO-DWG-101	MEC-DS-006
HV-101C	Manual, gear operator with handwheel	8"-G-1101-A6	PRO-DWG-101	MEC-DS-006
HV-101D	Manual, gear operator with handwheel (MEC-DS-006)	2"-G-1102-A6	PRO-DWG-101	PIP-SPC-001
HV-101E	Manual, gear operator with handwheel (MEC-DS-006)	2"-L-1061-A6/D1	PRO-DWG-101	MEC-DS-006
HV-101F	Manual, gear operator with handwheel (MEC-DS-006)	2"-L-1061-A6/D1	PRO-DWG-101	PIP-SPC-001
HV-101G	Manual, gear operator, locking device (MEC-DS-006)	V-101 / PSV-101	PRO-DWG-102	MEC-DS-006
HV-101H	Manual, handwheel	1"-G-1103-A6	PRO-DWG-101	PIP-SPC-001
HV-102H	Manual, handwheel	1"-G-1162-A6	PRO-DWG-107	PIP-SPC-001
HV-103A	Manual, gear operator with handwheel	12"-G-1002-A6	PRO-DWG-101	MEC-DS-006
HV-103B	Manual, gear operator with handwheel	12"-G-1003-A6	PRO-DWG-102	MEC-DS-006
HV-103C	Manual, gear operator with handwheel	12"-G-1004-A6	PRO-DWG-102	MEC-DS-006
HV-103D	Manual, gear operator with handwheel	12"-G-1004-A6	PRO-DWG-102	MEC-DS-006
HV-103H	Manual, handwheel	1"-G-1171-A6	PRO-DWG-108	PIP-SPC-001
HV-104A	Manual, gear operator with handwheel (MEC-DS-006)	2"-L-1060-A6	PRO-DWG-102	MEC-DS-006
HV-104B	Manual, gear operator with handwheel (MEC-DS-006)	2"-L-1060-A6	PRO-DWG-102	MEC-DS-006
HV-104C	Manual, gear operator with handwheel (MEC-DS-006)	2"-L-1060-A6	PRO-DWG-102	PIP-SPC-001
HV-104D	Manual, gear operator with handwheel (MEC-DS-006)	2"-L-1110-A6/D1	PRO-DWG-102	MEC-DS-006
HV-104E	Manual, gear operator with handwheel (MEC-DS-006)	2"-L-1110-A6/D1	PRO-DWG-102	PIP-SPC-001
HV-131A	Manual, gear operator with handwheel	12"-G-1031-A6	PRO-DWG-107	MEC-DS-006
HV-131B	Manual, gear operator with handwheel	12"-G-1031-A6	PRO-DWG-107	MEC-DS-006
HV-132A	Manual, gear operator with handwheel	12"-G-1032-A6	PRO-DWG-107	MEC-DS-006
HV-132B	Manual, gear operator with handwheel	12"-G-1032-A6	PRO-DWG-107	MEC-DS-006
HV-133D	Manual, lever	1"-V-1161-S1	PRO-DWG-107	MEC-DS-006
HV-158A	Manual, gear operator with handwheel	12"-G-1020-A6	PRO-DWG-103	MEC-DS-006
HV-158B	Manual, gear operator with handwheel	12"-G-1022-A6	PRO-DWG-105	MEC-DS-006
HV-158C	Manual, gear operator with handwheel	12"-G-1021-A6	PRO-DWG-105	MEC-DS-006
HV-161A	Manual, gear operator with handwheel (MEC-DS-006)	2"-F-1050-A6	PRO-DWG-102	MEC-DS-006
HV-165A	Manual, lever	2"-F-1051-A1	PRO-DWG-105	MEC-DS-006
HV-165B	Manual, lever	1"-F-1052-A1	PRO-DWG-106	MEC-DS-006
HV-172A	Manual, gear operator, locking device (MEC-DS-006)	1041 / 1170	PRO-DWG-108	MEC-DS-006

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Tag	Operator	Line	P&ID	Datasheet
HV-180A	Manual, lever, locking device	VS-101	PRO-DWG-109	MEC-DS-006
HV-180B	Manual, lever, locking device	VS-101	PRO-DWG-109	MEC-DS-006
HV-191A	Manual, lever	4"-L-1190-D1	PRO-DWG-110	MEC-DS-006
HV-191B	Manual, lever	2"-L-1061-A6/D1	PRO-DWG-101	MEC-DS-006
HV-191D	Manual, lever	3"-L-1191-D1	PRO-DWG-110	MEC-DS-006
HV-191E	Manual, lever	3"-L-1191-D1	PRO-DWG-110	MEC-DS-006
HV-191F	Manual, lever	2"-L-1192-D1	PRO-DWG-110	MEC-DS-006
HV-191G	Manual, lever	4"-L-1193-D1	PRO-DWG-110	MEC-DS-006
LCV-104	Electric modulating, handwheel, fail last	2"-L-1060-A6	PRO-DWG-102	INS control valve datasheet
MOV-111	Electric motor operator (fail last), DBB	10"-G-1011-A6	PRO-DWG-103	MEC-DS-006
MOV-112	Electric motor operator (fail last), DBB	10"-G-1011-A6	PRO-DWG-103	MEC-DS-006
MOV-115	Electric motor operator (fail last), DBB	10"-G-1015-A6	PRO-DWG-103	MEC-DS-006
MOV-121	Electric motor operator (fail last), DBB	10"-G-1012-A6	PRO-DWG-103	MEC-DS-006
MOV-122	Electric motor operator (fail last), DBB	10"-G-1012-A6	PRO-DWG-103	MEC-DS-006
SDV-101	Electro-hydraulic spring-return, fail closed	12"-G-1001-A6	PRO-DWG-101	MEC-DS-006
SDV-102	Electro-hydraulic spring-return, fail closed	12"-G-1033-A6	PRO-DWG-107	MEC-DS-006
SDV-103	Electro-hydraulic spring-return, fail closed	12"-G-1040-A6	PRO-DWG-107	MEC-DS-006
SDV-106	Electric / electro-hydraulic spring-return, fail closed	2"-L-1060-A6	PRO-DWG-102	MEC-DS-006
SDV-165	Electric / electro-hydraulic spring-return, fail closed	2"-F-1051-A1	PRO-DWG-105	MEC-DS-006

PRESSURE RELIEF VALVES

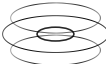
Table 1-3: Pressure Relief Valves (Sizing per PRO-CAL-007)

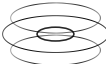
Tag	Service	Size (in x out)	Flanges	Set psig	Discharge line	P&ID
PSV-101	V-101 fire case	2 x 3 (E orifice)	Class 600 x 150	1,440	1071	PRO-DWG-102
PSV-157	H-101 coil thermal / fire	1 x 2 (D orifice) on 2 in nozzle	Class 600 x 150	1,440	1076	PRO-DWG-105
PSV-161	FG-101 low-pressure section (PCV-161 failure)	1 x 2 (D orifice)	Class 150	250	1077	PRO-DWG-106
TSV-136	Thermal relief SDV-102 to SDV-103	3/4 x 1	Class 600 x 150	1,440	1160	PRO-DWG-107
PVRV-193	T-101 pressure / vacuum	per vendor	atmospheric	8 oz/in2 / 0.4 oz/in2	atm	PRO-DWG-110

UNTAGGED VALVES

Table 1-4: Vent, Drain, Bleed, Test and Instrument Root Valves

Identifier	Service	NPS	Class	Type	Line	Qty
1001-DRAIN-01	Drain	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1001-A6	1
1001-HPV-01	High-point vent (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1001-A6	1
1001-LPD-01	Low-point drain (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1001-A6	1
PI-101 root	Instrument root (PI)	3/4	Class 800	Gate, SW x NPT (to gauge valve manifold)	12"-G-1001-A6	1
PT-101 root	Instrument root (PT)	3/4	Class 800	Gate, SW x NPT (to gauge valve manifold)	12"-G-1001-A6	1
1002-HPV-01	High-point vent (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1002-A6	1

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1002-LPD-01	Low-point drain (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1002-A6	1
1003-LPD-01, 1003-LPD-02	Low-point drain (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1003-A6	2
1004-BLEED-01	DBB bleed	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1004-A6	
1004-LPD-01	Low-point drain (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1004-A6	1
1010-HPV-01	High-point vent (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1010-A6	1
1010-LPD-01	Low-point drain (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1010-A6	1
1011-HPV-01	High-point vent (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	10"-G-1011-A6	1
1011-LPD-01, 1011-LPD-02	Low-point drain (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	10"-G-1011-A6	2
1012-HPV-01	High-point vent (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	10"-G-1012-A6	1
1012-LPD-01	Low-point drain (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	10"-G-1012-A6	1
1015-HPV-01	High-point vent (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	10"-G-1015-A6	1
1020-HPV-01, 1020-HPV-02	High-point vent (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1020-A6	2
1020-LPD-01, 1020-LPD-02	Low-point drain (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1020-A6	2
1021-HPV-01	High-point vent (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1021-A6	1
1021-LPD-01	Low-point drain (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1021-A6	1
1022-HPV-01, 1022-HPV-02	High-point vent (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1022-A6	2
1022-LPD-01	Low-point drain (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1022-A6	1
1031-DRAIN-01	Drain	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1031-A6	1
1031-VENT-01	Vent	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1031-A6	1
1032-DRAIN-01	Drain	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1032-A6	1
1032-VENT-01	Vent	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1032-A6	1
1033-HPV-01	High-point vent (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1033-A6	1
1033-LPD-01, 1033-LPD-02	Low-point drain (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1033-A6	2
PT-134 root, PT-133A root, PT-133B root, PT-133C root	Instrument root (PT)	3/4	Class 800	Gate, SW x NPT (to gauge valve manifold)	12"-G-1033-A6	4
1040-HPV-01	High-point vent (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1040-A6	1
1040-LPD-01, 1040-LPD-02	Low-point drain (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1040-A6	2
1041-HPV-01	High-point vent (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1041-A6	1
PI-174 root	Instrument root (PI)	3/4	Class 800	Gate, SW x NPT (to gauge valve manifold)	12"-G-1041-A6	1
PT-172 root	Instrument root (PT)	3/4	Class 800	Gate, SW x NPT (to gauge valve manifold)	12"-G-1041-A6	1
1041-TC-01	Test connection	3/4	Class 800	Gate, SW x NPT, hex plug	12"-G-1041-A6	1
1060D-LPD-01	Low-point drain (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	4"-L-1060-D1	1
1070-HPV-01	High-point vent (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	8"-V-1070-S1	1
1101-HPV-01	High-point vent (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	8"-G-1101-A6	1
1190-LPD-01	Low-point drain (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	4"-L-1190-D1	1
1191-LPD-01	Low-point drain (hydrotest)	3/4	Class 800	Gate, SW x NPT, hex plug	3"-L-1191-D1	1

 TORUS	· Owner VALVE LIST	Document No.	MEC-LST-003
		Revision / Date	A · September 29, 2026
		Issue purpose	Issued for Review
MECHANICAL · VALVE LIST			

VALVES IN VENDOR PACKAGES

Table 1-5: Valves Supplied Inside Vendor Packages

Tag	Service	Supplied by	P&ID
SDV-141	Analyzer sample line shutoff at the B-101 wall, closes on ESD and F&G	MEA tubing scope	PRO-DWG-104
RO-141A	Analyzer sample line restriction orifice 1/32 in	MEA tubing scope	PRO-DWG-104
PSV-141B	Sample line 1080 relief at the SP-141 probe regulator outlet (GEN-RPT-003)	MEA tubing scope	PRO-DWG-103
HV-111A	MOV body bleed (DBB)	SK-110 / MOV vendor	PRO-DWG-103
HV-112A	MOV body bleed (DBB)	SK-110 / MOV vendor	PRO-DWG-103
HV-115A	MOV body bleed (DBB)	SK-110 / MOV vendor	PRO-DWG-103
HV-121A	MOV body bleed (DBB)	SK-110 / MOV vendor	PRO-DWG-103
HV-122A	MOV body bleed (DBB)	SK-110 / MOV vendor	PRO-DWG-103
HV-161B	FG-101 skid valves	FG-101 vendor	PRO-DWG-106
HV-161C	FG-101 skid valves	FG-101 vendor	PRO-DWG-106
HV-161D	FG-101 skid valves	FG-101 vendor	PRO-DWG-106
HV-162A	FG-101 skid valves	FG-101 vendor	PRO-DWG-106
HV-162B	FG-101 skid valves	FG-101 vendor	PRO-DWG-106
PCV-161	FG-101 skid valves	FG-101 vendor	PRO-DWG-106
PCV-162	FG-101 skid valves	FG-101 vendor	PRO-DWG-106
HV-150A	H-101 burner train	H-101 vendor	PRO-DWG-112
XV-150A	H-101 burner train	H-101 vendor	PRO-DWG-112
XV-150B	H-101 burner train	H-101 vendor	PRO-DWG-112
XV-150C	H-101 burner train	H-101 vendor	PRO-DWG-112
TCV-152	H-101 burner train	H-101 vendor	PRO-DWG-112
PCV-150	H-101 burner train	H-101 vendor	PRO-DWG-112
HV-141A	Sample system	MEA / B-101 vendor	PRO-DWG-104
HV-141D	Sample system	MEA / B-101 vendor	PRO-DWG-104
HV-141H	Sample system	MEA / B-101 vendor	PRO-DWG-104
HV-142A	Sample system	MEA / B-101 vendor	PRO-DWG-104
HV-143A	Sample system	MEA / B-101 vendor	PRO-DWG-104
HV-144A	Sample system	MEA / B-101 vendor	PRO-DWG-104
HV-146A	Sample system	MEA / B-101 vendor	PRO-DWG-104
PCV-141E	Sample system	MEA / B-101 vendor	PRO-DWG-104
PCV-141K	Sample system	MEA / B-101 vendor	PRO-DWG-104
PCV-141M	Sample system	MEA / B-101 vendor	PRO-DWG-104
PSV-141G	Sample system	MEA / B-101 vendor	PRO-DWG-104
LCV-104 trim, level instrument valves (LG-104, LT-104, LSHH-105, LSLL-106)	V-101 instrument valves	V-101 vendor	PRO-DWG-102

