

PROCUREMENT BILL OF MATERIAL (FREE ISSUE MATERIAL)

MCP2160079 - ACSA ORTIA 20" JET FUEL FEEDER LINE

REV 01: 2025-05-05

Rev	SIZE	DESCRIPTION	QUANTITY	LONG DESCRIPTION	UOM
PIPING/MECHANICAL VALVES					
01	3/4"	BALL VALVE CL 300 RF A216 3 PIECE WCB/WCC FULL BORE FIRE SAFE TRM BALL TUNGSTEN CARBIDE HVOF COATED API 608	3	VALVE, BALL; DESIGN RATING CLASS 300, CONNECTION FLANGED ENDS RAISED FACE, BODY MATERIAL CARBON STEEL, BODY AND BONNET MATERIAL SPECIFICATION CASTINGS ASTM A216 GR WCB; FORGINGS ASTM A105, TRIM BALL TUNGSTEN CARBIDE HVOF COATED; STEM STAINLESS STEEL 431, OPERATED HAND LEVER, SEAT MATERIAL TUNGSTEN CARBIDE HVOF COATED, STEM PACKING GRAPHITE, TYPE FLOATING BALL, BODY GASKET GRAPHITE, BODY STYLE SPLIT BODY, SERVICE COAL TAR SLURRY, PORT TYPE FULL PORT, FIRE SAFETY RATING API STD 608, BONNET MATERIAL CARBON STEEL; FEATURES - NON-BLOWOUT STEM; SEALING - UNIDIRECTIONAL; SPRING - SINGLE BELLEVILLE WASHER MACHINED FROM SOLID FORGING 17/4PH; ALL WETTED PARTS WITH TUNGSTEN CARBIDE HVOF COATING; TESTING - API 598; Standard: ASME B16.34, Standard: API STD 608 OR BS EN ISO 17292	EA
01	1"	BALL VALVE CL 300 RF A216 3 PIECE WCB/WCC FULL BORE FIRE SAFE TRM BALL TUNGSTEN CARBIDE HVOF COATED API 608	6	VALVE, BALL; DESIGN RATING CLASS 300, CONNECTION FLANGED ENDS RAISED FACE, BODY MATERIAL CARBON STEEL, BODY AND BONNET MATERIAL SPECIFICATION CASTINGS ASTM A216 GR WCB; FORGINGS ASTM A105, TRIM BALL TUNGSTEN CARBIDE HVOF COATED; STEM STAINLESS STEEL 431, OPERATED HAND LEVER, SEAT MATERIAL TUNGSTEN CARBIDE HVOF COATED, STEM PACKING GRAPHITE, TYPE FLOATING BALL, BODY GASKET GRAPHITE, BODY STYLE SPLIT BODY, SERVICE COAL TAR SLURRY, PORT TYPE FULL PORT, FIRE SAFETY RATING API STD 608, BONNET MATERIAL CARBON STEEL; FEATURES - NON-BLOWOUT STEM; SEALING - UNIDIRECTIONAL; SPRING - SINGLE BELLEVILLE WASHER MACHINED FROM SOLID FORGING 17/4PH; ALL WETTED PARTS WITH TUNGSTEN CARBIDE HVOF COATING; TESTING - API 598; Standard: ASME B16.34, Standard: API STD 608 OR BS EN ISO 17292	EA
01	1 1/2"	BALL VALVE CL 300 RF A216 3 PIECE WCB/WCC FULL BORE FIRE SAFE TRM BALL TUNGSTEN CARBIDE HVOF COATED API 608	3	VALVE, BALL; DESIGN RATING CLASS 300, CONNECTION FLANGED ENDS RAISED FACE, BODY MATERIAL CARBON STEEL, BODY AND BONNET MATERIAL SPECIFICATION CASTINGS ASTM A216 GR WCB; FORGINGS ASTM A105, TRIM BALL TUNGSTEN CARBIDE HVOF COATED; STEM STAINLESS STEEL 431, OPERATED HAND LEVER, SEAT MATERIAL TUNGSTEN CARBIDE HVOF COATED, STEM PACKING GRAPHITE, TYPE FLOATING BALL, BODY GASKET GRAPHITE, BODY STYLE SPLIT BODY, SERVICE COAL TAR SLURRY, PORT TYPE FULL PORT, FIRE SAFETY RATING API STD 608, BONNET MATERIAL CARBON STEEL; FEATURES - NON-BLOWOUT STEM; SEALING - UNIDIRECTIONAL; SPRING - SINGLE BELLEVILLE WASHER MACHINED FROM SOLID FORGING 17/4PH; ALL WETTED PARTS WITH TUNGSTEN CARBIDE HVOF COATING; TESTING - API 598; Standard: ASME B16.34, Standard: API STD 608 OR BS EN ISO 17292	EA
01	3"	BALL VALVE CL 150 RF A216 WCB/WCC FULL BORE FIRE SAFE TRM BALL TUNGSTEN CARBIDE HVOF COATED API 608	2	VALVE, BALL; DESIGN RATING CLASS 150, CONNECTION FLANGED ENDS RAISED FACE, BODY MATERIAL CARBON STEEL, BODY AND BONNET MATERIAL SPECIFICATION CASTINGS ASTM A216 GR WCB; FORGINGS ASTM A105, TRIM BALL TUNGSTEN CARBIDE HVOF COATED; STEM STAINLESS STEEL 431, OPERATED HAND LEVER, SEAT MATERIAL TUNGSTEN CARBIDE HVOF COATED, STEM PACKING GRAPHITE, TYPE FLOATING BALL, BODY GASKET GRAPHITE, BODY STYLE SPLIT BODY, SERVICE COAL TAR SLURRY, PORT TYPE FULL PORT, FIRE SAFETY RATING API STD 608, BONNET MATERIAL CARBON STEEL; FEATURES - NON-BLOWOUT STEM; SEALING - UNIDIRECTIONAL; SPRING - SINGLE BELLEVILLE WASHER MACHINED FROM SOLID FORGING 17/4PH; ALL WETTED PARTS WITH TUNGSTEN CARBIDE HVOF COATING; TESTING - API 598; Standard: ASME B16.34, Standard: API STD 608 OR BS EN ISO 17292	EA
01	14"	DOUBLE BLOCK AND BLEED (DBB) CL 150 RF A216 WCC GO FIRE SAFE	2	DOUBLE BLOCK AND BLEED (DBB) CL 150 RF A216 WCC GO FIRE SAFE	EA
01	16"	DOUBLE BLOCK AND BLEED (DBB) CL 150 RF A216 WCC GO FIRE SAFE	1	DOUBLE BLOCK AND BLEED (DBB) CL 150 RF A216 WCC GO FIRE SAFE	EA
01	20"	DOUBLE BLOCK AND BLEED (DBB) CL 150 RF A216 WCC GO FIRE SAFE	1	DOUBLE BLOCK AND BLEED (DBB) CL 150 RF A216 WCC GO FIRE SAFE	EA
01	20"	GATE CL 150 RF STL F6 GRAF FW BB GO API 600	1	VALVE, GATE; DESIGN RATING CLASS 150, CONNECTION FLANGED ENDS RAISED FACE, BODY MATERIAL CARBON STEEL, BODY AND BONNET MATERIAL SPECIFICATION CASTINGS ASTM A216 GR WCB; FORGINGS ASTM A105, GATE TYPE FLEXIBLE WEDGE, TRIM NUMBER 1 F6 (13CR) STEM AND SEATING SURFACES, OPERATED BEVEL GEAR ENCLOSED WITH PINION SHAFT PARALLEL TO FLOW, STEM DESIGN OUTSIDE SCREW AND YOKE, STEM PACKING GRAPHITE BRAIDED AND DIE MOLDED RINGS, BONNET JOINT BOLTED; Standard: API STD 600, Standard: ASME B16.34	EA
01	20"	BALL CL 150 RF STL F6 GRAF FW BB GO FIRE SAFE TRM BALL TUNGSTEN CARBIDE HVOF COATED API 608	1	VALVE, BALL; DESIGN RATING CLASS 150, CONNECTION FLANGED ENDS RAISED FACE, BODY MATERIAL CARBON STEEL, BODY AND BONNET MATERIAL SPECIFICATION CASTINGS ASTM A216 GR WCB; FORGINGS ASTM A105, TRIM BALL TUNGSTEN CARBIDE HVOF COATED; STEM STAINLESS STEEL 431, OPERATED GEAR, SEAT MATERIAL TUNGSTEN CARBIDE HVOF COATED, STEM PACKING GRAPHITE, TYPE FLOATING BALL, BODY GASKET GRAPHITE, BODY STYLE SPLIT BODY, SERVICE COAL TAR SLURRY, PORT TYPE REDUCED PORT, FIRE SAFETY RATING API STD 608, BONNET MATERIAL CARBON STEEL; FEATURES - NON-BLOWOUT STEM; SEALING - UNIDIRECTIONAL; SPRING - SINGLE BELLEVILLE WASHER MACHINED FROM SOLID FORGING 17/4PH; ALL WETTED PARTS WITH TUNGSTEN CARBIDE HVOF COATING; TESTING - API 598; Standard: ASME B16.34, Standard: API STD 608 OR BS EN ISO 17292	EA
01	20"	DOUBLE BLOCK AND BLEED (DBB) CL 150 RF A216 WCC FULL BORE GO FIRE SAFE	2	DOUBLE BLOCK AND BLEED (DBB) CL 150 RF A216 WCC FULL BORE GO FIRE SAFE	EA
01	24"	BALL VALVE CL 150 RF A216 WCB/WCC FULL BORE GO FIRE SAFE TRM BALL TUNGSTEN CARBIDE HVOF COATED API 608	2	VALVE, BALL; DESIGN RATING CLASS 150, CONNECTION FLANGED ENDS RAISED FACE, BODY MATERIAL CARBON STEEL, BODY AND BONNET MATERIAL SPECIFICATION CASTINGS ASTM A216 GR WCB; FORGINGS ASTM A105, TRIM BALL TUNGSTEN CARBIDE HVOF COATED; STEM STAINLESS STEEL 431, OPERATED GEAR, SEAT MATERIAL TUNGSTEN CARBIDE HVOF COATED, STEM PACKING GRAPHITE, TYPE FLOATING BALL, BODY GASKET GRAPHITE, BODY STYLE SPLIT BODY, SERVICE COAL TAR SLURRY, PORT TYPE FULL PORT, FIRE SAFETY RATING API STD 608, BONNET MATERIAL CARBON STEEL; FEATURES - NON-BLOWOUT STEM; SEALING - UNIDIRECTIONAL; SPRING - SINGLE BELLEVILLE WASHER MACHINED FROM SOLID FORGING 17/4PH; ALL WETTED PARTS WITH TUNGSTEN CARBIDE HVOF COATING; TESTING - API 598; Standard: ASME B16.34, Standard: API STD 608 OR BS EN ISO 17292	EA
01	18"	GATE CL 150 RF STL F6 GRAF FW BB GO API 600	1	VALVE, GATE; DESIGN RATING CLASS 150, CONNECTION FLANGED ENDS RAISED FACE, BODY MATERIAL CARBON STEEL, BODY AND BONNET MATERIAL SPECIFICATION CASTINGS ASTM A216 GR WCB; FORGINGS ASTM A105, GATE TYPE FLEXIBLE WEDGE, TRIM NUMBER 1 F6 (13CR) STEM AND SEATING SURFACES, OPERATED BEVEL GEAR ENCLOSED WITH PINION SHAFT PARALLEL TO FLOW, STEM DESIGN OUTSIDE SCREW AND YOKE, STEM PACKING GRAPHITE BRAIDED AND DIE MOLDED RINGS, BONNET JOINT BOLTED; Standard: API STD 600, Standard: ASME B16.34	EA
01	1"X3/4"	PRESSURE SAFETY VALVE - APB-PSV-015	1	SEE ATTACHED TECHNICAL SPECIFICATION AND DATASHEET	EA

C&I TAGGED EQUIPMENT

01		APB-PIT-9001	1	Pressure Transmitter (Technical specificaion and datasheet attached)	EA
01		APB-HS-9002	1	ESD Hand Switch (Technical specificaion and datasheet attached)	EA
01		APB-PI-9003	1	Pressure Gauge (Technical specificaion and datasheet attached)	EA
01		M-PI-9004-VCM1-R1	1	Pressure Gauge (Technical specificaion and datasheet attached)	EA
01		APB-PIG-SIG-9005	1	Pig Signallers (Technical specificaion and datasheet attached)	EA
01		PIG-SIG-9006-VCM1-R1	1	Pig Signallers (Technical specificaion and datasheet attached)	EA
01	20"	APB-DBB-003-MOT	1	Motorized Valves (Technical specificaion and datasheet attached)	EA
01	18"	M-DBB-002-MOT-VCM1-R1	1	Motorized Valves (Technical specificaion and datasheet attached)	EA

Compiled by:

A.F.Nel
Snr. Engineering Manager