

3	2	PT-68732 PT-68733	Pressure Transmitter (Steam Supply) Rosemount 3051S2CG5A2F12A1ADA2K5M5Q4Q8 Calibrated Range: 0-300 psig 3051: Scalable Pressure Transmitter, 2: Classic: 0.035 percent span accuracy, 150:1 rangedown, 15-yr stability, C: Coplanar, G: Gage, 5A: Range -14.2 to 2000 psig, 2: 316L SST isolating diaphragm, F12: Process Connection Traditional flange SST, 1/4-18 NPT, A: 4-20 mA with digital signal based on HART protocol, 1A: PlantWeb housing, DA2: Advanced HART Diagnostics Suite, B4: Coplanar flange bracket, all SST, 2-in. pipe and panel, K5: FM Explosion-proof, Dust Ignition-proof, Intrinsically Safe, Division 2, M5: PlantWeb LCD display, Q4: Calibration certificate, Q8: Material traceability certification per EN 10204 3.1	Rosemount
4	8	VE-68742 VE-68744 VE-68746 VE-68748 VE-68743 VE-68745 VE-68747 VE-68749	Accelerometer (Pump Body) Model: 330400-01-05 50 G (490 m/s ²) peak, 316 SST case material, 1/4" NPT stud, Multiple approvals (CSA, ATEX, IECEx,), Sensitivity: 10.2 mV/m/s ² (100 mV/g) ±5%. c/w SEIS/ACCL Extension Cable, 3-wire, 25 ft length Model: 16925-25 3-conductor shielded 22 AWG cable	Bently Nevada
5	2	RV-05160 RV-05161	Pressure Relief Valve (shipped loose) Model: 6Q8JLTJBS-E45S6L-N2 Set @ 340 psi Sized for Blocked Flow 6# 600# RF x 8" 150# RF, Q Orifice SS SA351-CF8M Body, Inconel® X750 Spring, NACE MR0175 (2002)	Crosby
6	2	-	Steam Trap (Steam return) Model: PC4000, L - R Trap Station Connection: 3/4" SW Body Material: carbon steel c/w UFT32-21 Universal Float & Thermostatic Steam Trap SST	SpiraxSarco
7	2	TV/TY-68730 TV/TY-68731	FisherEZ Body Control Valve Assembly (Steam supply) 1" Class 300# RF Globe Valve Trim Style/Characteristic=Micro-Form (Eq Pct), Port Diameter=3/8 Inch, Travel=3/4 Inch c/w pneumatic actuator c/w DVC6200 SAD positioner Note: Instrument Air supply and hook up by others)	Fisher
8	2	KE-68774 KE-68775	Key Phasor (Pump Motor) Model: 3300 By motor vendor.	Bently Nevada
9	8	VE/VT-68766 VE/VT-68768 VE/VT-68770 VE/VT-68772 VE/VT-68767 VE/VT-68769 VE/VT-68771 VE/VT-68773	Vibration Probes and Transmitter (Pump Motor) Model: 3300 by motor vendor.	Bently Nevada

10	4	TT/TE-68750 TT/TE-68752 TT/TE-68751 TT/TE-68753	Temperature Transmitter (motor bearing) Rosemount 3144PD1A2K5DA1B4M5CNQ4U1G1 Calibrated Range: 0-300 F 3144P: Temperature Transmitter, D1: Field Mount Housing, Dual-Compartment Housing, Aluminum, 1/2–14 NPT conduit entry, A: 4-20 mA with digital signal based on HART protocol, 2: Dual-Sensor Input, K5: FM IS, Non-incendive & Explosion-proof, DA1: HART Sensor and Process Diagnostic Suite: Thermocouple Diagnostic, Min/Max Tracking, B4: “U” Mounting Bracket for 2-inch pipe mounting - All SST, M5: LCD Display, CN: NAMUR Alarm and Saturation Levels, Low Alarm, Q4: 5-Point Calibration, U1: Hot Backup, G1: External Ground Lug Assembly Bearing RTDs (Pump Motor) Model: R-13476-1 100 Ohm RTDs, dual-elements, 3-wire supplied by motor vendor.	Rosemount Measurement Specialties
11	12	TE-68754 TE-68756 TE-68758 TE-68760 TE-68762 TE-68764 TE-68755 TE-68757 TE-68759 TE-68761 TE-68763 TE-68765	Winding RTDs (Pump Motor) Model: 10772-1 by motor vendor.	Measurement Specialties
12	4	TI/TW-68776 TI/TW-68778 TI/TW-68777 TI/TW-68779	Temperature Gauges (Lube Oil Return Pump) Model: 50EI60EXC4NH 0 250F BI-METAL THERMOMETER, 5" DIAL, STAINLESS STEEL HERMETICALLY SEALED CASE, 1/2" NPT CONNECTION TO THERMOWELL, EVERY ANGLE STEM, 0 to 250°F SCALE c/w Thermowell Model: 15W0400SF260SR150 THERMOWELL, 1.5" 150# RF CONNECTION, STAINLESS STEEL CONSTRUCTION, STRAIGHT SHANK, 4" INSERTION LENGTH	Ashcroft
13	4	TI/TW-68780 TI/TW-68782 TI/TW-68781 TI/TW-68783	Temperature Gauges (Lube Oil Return Motor) Model: 50EI60EXC4NH 0 250F BI-METAL THERMOMETER, 5" DIAL, STAINLESS STEEL HERMETICALLY SEALED CASE, 1/2" NPT CONNECTION TO THERMOWELL, EVERY ANGLE STEM, 0 to 250°F SCALE c/w Thermowell Model: 15W0400SF260SR150 THERMOWELL, 1.5" 150# RF CONNECTION, STAINLESS STEEL CONSTRUCTION, STRAIGHT SHANK, 4" INSERTION LENGTH	Ashcroft
14	4	-	Sight Glasses (Lube Oil Return Pump) Model: KE KSF-ST-2.00-V-S-R CAST BODY SIGHT FLOW INDICATOR, 2.0" 150# FLANGE CONNECTION, VITON SEALS, 316 SS BODY, ROTOR INDICATOR	Kenco
15	4	-	Sight Glasses (Lube Oil Return Pump Motor) Model: KE KSF-ST-1.50-V-S-R CAST BODY SIGHT FLOW INDICATOR, 1.5" 150# FLANGE CONNECTION, VITON SEALS, 316 SS BODY, ROTOR INDICATOR	Kenco

BILL OF MATERIAL - VALVES				
ITEM	QTY	CLIENT CODE	DESCRIPTION	MANUFACTURER
16	4	-	2" Gate Valve (Pump Drain) Valve, Gate, DSI, 2.00 Inch, CI 300, Std Port, RF, BB, A105 Body, API Trim 12, HWO, Graphite Pkg & Spiral Wound SS Gskt, API 602, Nace DSI 3C-2"-2131 A12-18	DSI
16.1	2	-	1" Gate Valve (Lube Oil LPD - tie-in to pump drain header) Valve Gate DSI 1" CI 300 SP, RF BB A105 Body API Trim 12, HWO, Graphite Pkg & Spiral Wound SS Gskt API 602 Nace DSI 3C-1"-2131 A12-18	DSI
17	2	GLVF	2" Globe Valve (Steam CV bypass) Valve, Globe, DSI, 2.00 Inch, CI 300, Std Port, RF, BB, A105 Body, API Trim 5, HWO, Graphite Pkg & Spiral Wound SS Gskt, API 602, Nace DSI 3C-2"-2231 A5-18	DSI
18	8	GAVF	2" Gate Valve (Steam return, Double Block and Bleed) Valve, Gate, DSI, 2.00 Inch, CI 300, Std Port, RF, BB, A105 Body, API Trim 12, HWO, Graphite Pkg & Spiral Wound SS Gskt, API 602, Nace DSI 3C-2"-2131 A12-18	DSI
19	6	GABT	1" Gate Valve (LPDs and HPVs) 1" Gate Valve CL800, A105, THD, FHF, WB, 321SS Bellow Seals (Modified to THD x BW) c/w hex plug Bonney SHWL-12-T 1 321SS NACE	Bonney
19.1	2	GABB	1" Gate Valve (LPDs and HPVs) 1" Gate Valve CL800, A105, THD, FHF, WB, 321SS Bellow Seals (Modified to BW x BW) c/w hex plug Bonney SHWL-12-T 1 321SS NACE	Bonney
20	2	GLBB	1" Globe Valve (LPD upstream of Steam Trap) 1" Globe Valve CL 800, A105, THD, FHF, WB, 321SS Bellow Seals (modified to BW x BW) Bonney SHWL-32-T-LE 1 321SS NACE	Bonney
21	2	GABB	3/4" Gate Valve (PT Block Valve) 3/4" Gate Valve, CL800, A105, THD, FHF, WB, 321SS Bellow Seals (modified to BWxBW) Bonney SHWL-12-T-LE 3/4 321SS NACE	Bonney
22	2	-	3/4"x1/2" Multiport Valve (PT Bleed Valve) 3/4 MNPT X 1/2 FNPT GAUGE VALVE 316SS BODY & TRIM, GAFOIL PACKING CM111M64TCNG c/w 1/2 316 S/S BLEED VALVE CM41M4 c/w 1/2 316 S/S HEX PLUG CM4P1M4	CENTURY
23	2	-	1" Ball Valve (Lube Oil HPV) Valve Ball QVA F2-SS Series 1.00 Inch 2-piece Flanged CL 150 275 psi FP RF x RF Lever Handle CF8M Body 316SS Trim R-TFM Seats Graphite Seals ASME B16.34 API 608 API 607 Firesafe NACE QVA F2FSSRGLH1F100	QVA
24	16	-	3/4" Ball Valve (Seal Flush LPDs) Valve Ball QVA F1-SS Series .75 Inch Unibody Flanged CL 300 720 psi RP RF x RF Lever Handle CF8M Body 316SS Trim R-TFM Seats Graphite Seals ASME B16.34 API 608 API 607 Firesafe NACE QVA F1RSSRGLH3F075	QVA

25	8	-	1/2" Ball Valve (Seal Flush LPDs) Valve Ball QVA F1-SS Series .50 Inch Unibody Flanged CL 300 720 psi RP RF x RF Lever Handle CF8M Body 316SS Trim R-TFM Seats Graphite Seals ASME B16.34 API 608 API 607 Firesafe NACE QVA F1RSSRGLH3F050	QVA
26	8	-	1" Ball Valve (Seal Flush LPDs) DSC: PBV Ball Valve, 6400 Series, 1.00 Inch, Floater, CL 300, FP, RF, LO, CF8M Body, SS Trim, G/PTFE Seats, Graphite Seals, API 608 NACE Firesaf e, I 14DGN DSC 3C-1"-S-6430-31-3600-GL-NL-I 14DGN	DSC
Notes: 1. DELETED. 2. For details on seal system instruments and valves, please refer to Seal System BOM. 3. Tag Numbers: even numbers applicable to RP-62670, odd numbers applicable to RP-62671.				