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SERVICE PARTS LIST

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Service Parts List

RXF

ROTARY SCREW COMPRESSOR UNITS

WITH

QUANTUM™ LX CONTROL

MODELS: RXF 12 through 101

HOW TO USE SERVICE PARTS LIST

This Service Parts List is for standard Frick RXF, Rotary Screw Compressor Units, Models 12–101. Units built with special options, modifications, or conversions are not taken into consideration.

This Service Parts List provides identification for detail parts by Figure and Index Number, Item Number and Description. To determine correct replacement item, locate item on Figure 1, 2, etc., note index number, refer to corresponding index number in parts list for item number and description. Quantity per assembly is located in QTY. column. Unit of measure is always “each” unless specified otherwise in Quantity column. When Ref. is in QTY. column, this means that the Item Number is for information only and is not necessarily a service replacement part. Contact Baltimore Parts Center for more information. REV. (Revision) column tells the level of the engineering drawing used here. The P & I REF. column gives the number of the item as shown on the Piping and Instrumentation drawing.

The Numerical Parts List can be used to locate a specific item in the Service Parts List. Look for the part by Frick Item Number and it will refer you to the Figure and Index Number where it is located.

Abbreviations found in this manual include:

| | | | |
|-----------|-------------|------------|-------------------------|
| A/R..... | As Required | SW | Socket Weld |
| HW..... | Hand Wheel | TSOC..... | Thermosyphon Oil Cooler |
| Ref. | Reference | WIL..... | Weld-In-Line |
| SC | Seal Cap | WCOC | Water Cooled Oil Cooler |

The **Unit Data Plate** listing model/serial number etc., is attached to the rear motor mounting bracket, when facing the motor end opposite the coupling.

NOTE: PLEASE PROVIDE FRICK ORDER NUMBER, UNIT MODEL NUMBER, AND UNIT SERIAL NUMBER WHEN REQUESTING A QUOTATION OR PLACING AN ORDER. FAILURE TO INCLUDE THIS INFORMATION MAY DELAY PROCESSING OF YOUR REQUEST.

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RECOMMENDED SPARE PARTS - CURRENT STANDARD DESIGN

| DESCRIPTION | QTY. | MODEL | ITEM NUMBER |
|----------------------------------------------------------------------|------|----------|-------------|
| UNIT: | | | |
| Sensor, Temperature Probe | 1 | ALL | 639A0151H01 |
| Transducer, Pressure, 0–200 PSIA* | 1 | ALL | 913A0146H01 |
| Transducer, Pressure, 0–500 PSIA* | 1 | ALL | 913A0146H02 |
| Valve, Solenoid, Yuken 120/60 & 110/50 | 1 | ALL | 951A0114H01 |
| Coil For 951A0114H01 Above | 2 | ALL | 951A0114H05 |
| Seal Kit for 951A0114H01 Above | 1 | ALL | 951A0113H20 |
| Valve, Solenoid, 120VAC, w/DIN Connector | 1 | 12–50 | 951A0095G01 |
| Coil For 951A0095G01 | 1 | 12–50 | 951A0095H01 |
| Coil, Solenoid Valve, 120VAC | 1 | 58–101 | 951A0054H01 |
| Solenoid Valve | 1 | ALL | 111Q0993344 |
| Linear Transmitter, Short Stroke (Slide Valve Indicator) | 1 | ALL | 534C1552H01 |
| Heater, Oil, 500W, 120VAC | 1 | 12–50 | 913A0047H01 |
| Heater, Oil, 500W, 120VAC | 1 | 58–101 | 913A0092G01 |
| Switch, Liquid Level w/2" Reducing Bushing (See Fig. 5) | 1 | 12–50 | 536A1419H01 |
| Oil Level Sensor | 1 | 58–101 | 913A0123H11 |
| Filter, Coalescing | 1 | 12–19 | 531B0065H06 |
| Filter, Demistifier™, Coalescing | 1 | 24–50 | 531B0099H02 |
| Filter, Demistifier™, Coalescing | 1 | 58–68 | 531B0099H01 |
| Filter, Demistifier™, Coalescing | 2 | 58–101 | 531B0099H01 |
| Gasket, Separator Access Cover | 1 | 12–19 | 959A0090H04 |
| Gasket, Separator Access Cover | 1 | 24–50 | 959A0090H05 |
| Gasket, Separator Manway | 1 | 58 & 68 | 531A0105H03 |
| Gasket, Separator Manway | 1 | 85 & 101 | 531A0105H04 |
| Cartridge, Oil Filter, SuperFilter™ II (Required for 1-2-3 Warranty) | 1 | 12–50 | 535A0354H02 |
| Element, Filter, Oil, SuperFilter™ II (Required for 1-2-3 Warranty) | 1 | 58–101 | 531A0224H02 |
| Gasket, for 531A0224H01 above | 1 | 58–101 | 959A0082H02 |
| Kit, Shaft Seal, XJF 95 | 1 | 12–19 | 111Q0043229 |
| Kit, Shaft Seal, XJF 120 | 1 | 24–50 | 534A0980G01 |
| Kit, Shaft Seal, XJF 151 | 1 | 58–101 | 534M0602G02 |

Note: This list is based on one unit. When stocking for more than one unit, the quantity should be adjusted to meet your individual requirements.

For help in identifying valves, see Shutoff Valve Identification Guide S160-800 SPL.

For Control Center parts, see Quantum™ LX Maintenance S90-020 M, Recommended Spare Parts List.

* Plus 649D4864H01 Replacement Cable for older units without DIN connector.

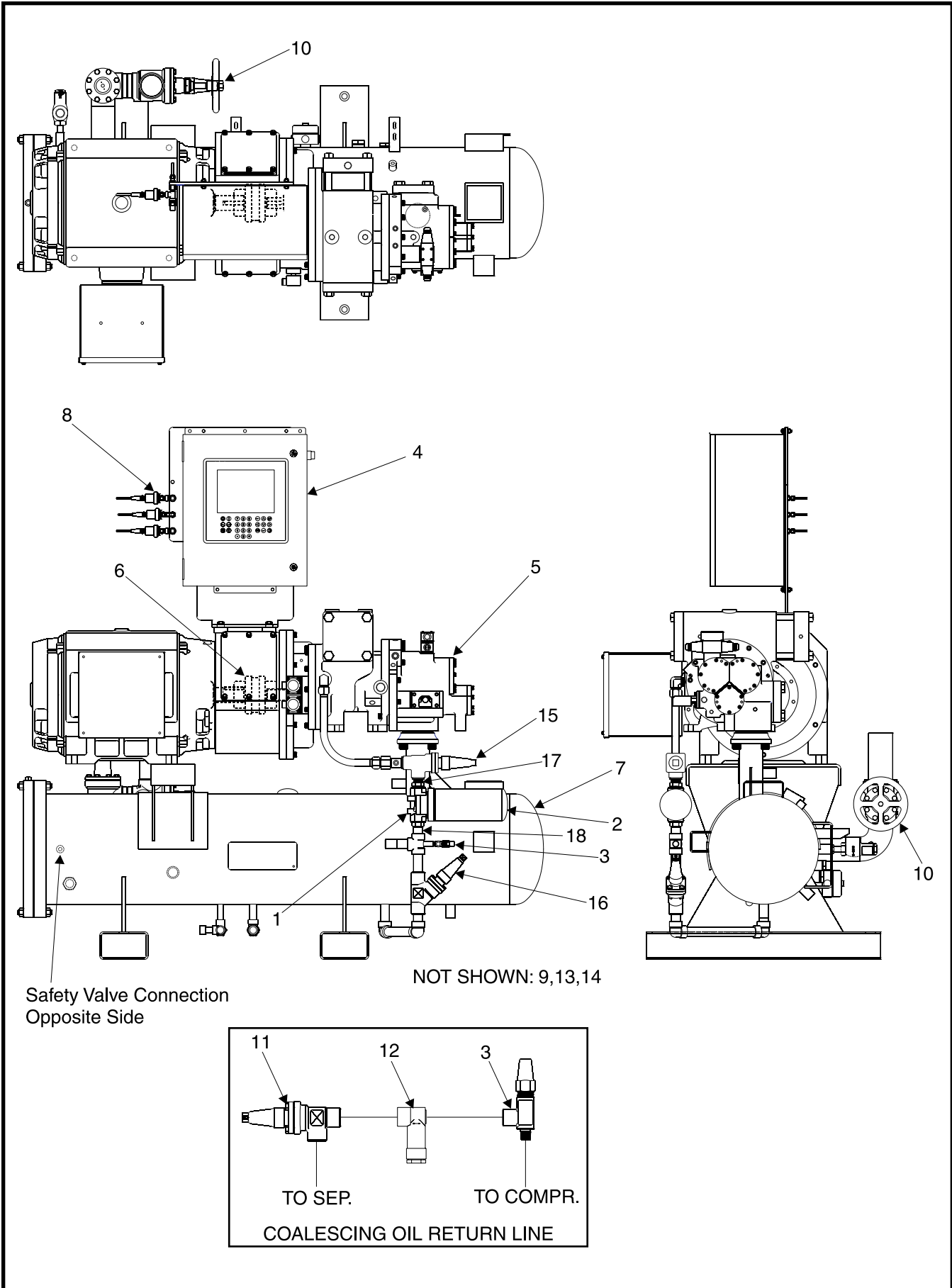


Figure 1. General Arrangement, Typical, RXF 12-50.

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|------------------------------------------------------------------------|------|------|------------|
| 1- | 535D0316 | RXF 12, R-22 & R-717, Screw Compressor Unit | Ref. | M | |
| | 535D0315 | RXF 15 & 19, R-22 & R-717, Screw Compressor Unit | Ref. | K | |
| | 535D0246 | RXF 24, R-22 & R-717, Screw Compressor Unit | Ref. | Y | |
| | 535D0247 | RXF 30 & 39, R-22 & R-717, Screw Compressor Unit | Ref. | W | |
| | 535D0233 | RXF 50, R-22 & R-717, Screw Compressor Unit | Ref. | X | |
| -1 | 535A0509H01 | Head, Oil Filter, 1 5/16-12 UN-2B, Straight Thread, O-ring | 1 | | |
| -2 | 535A0354H02 | Cartridge, Oil Filter, 4-5/8 x 11-5/8", SuperFilter™ II ⁽¹⁾ | 1 | | |
| -3 | 950A0292H01 | Valve, Angle, Needle, Seal Cap, 1/4" MPT x 1/4" FPT | 2 | | NV |
| -4 | - | Quantum™ LX Control Center ⁽²⁾ | 1 | | |
| -5 | - | Screw Compressor (See Figure 3) | 1 | | |
| -6 | - | Drive Coupling (See Figure 17) | 1 | | |
| -7 | - | Oil Separator and Safety Relief Valve (See Figure 5) | Ref. | | |
| -8 | - | Transducer Assembly (See Figure 16) | Ref. | | |
| -9 | - | Oil Pump Piping (See Figure 10) | Ref. | | |
| -10 | - | Valve, Discharge Stop/Check (See Figure 18) | Ref. | | |
| -11 | 950A0233H01 | Valve, Angle, SW, SC, 1/2" | 1 | | |
| | 950A0232H21 | Spare Parts Kit, Complete, less stem, 1/2" | 1 | | |
| | 950A0232H41 | Spare Parts Kit, Cone, 1/2" | 1 | | |
| | 950A0232H31 | Spare Parts Kit, Packing Gland, 1/2" | 1 | | |
| | 950A0233H51 | Spare Parts Kit, Cap & Bonnet, 1/2" | 1 | | |
| | 950A0233H61 | Spare Parts Kit, Seal Cap & Gasket, 1/2" | 1 | | |
| -12 | 950A0019H01 | Strainer, 1/2" FPT | 1 | | STR |
| | 950A0019H02 | Gasket, Flange | 1 | | |
| | 950A0019H03 | Gasket, Screen | 1 | | |
| | 950A0019H04 | Kit, Screen w/Gasket | 1 | | |
| -13 | 639A0151G01 | Assembly, Sensor, Temperature ⁽³⁾ | 1 | | TE |
| | 639A0151H01 | Sensor, Temperature, less Well & DIN | 1 | | |
| | 913A0098H01 | Well only | 1 | | |
| | 649A0890H01 | DIN Connector (with M3 connection for shielded cable) | 1 | | |
| | 649A0890H11 | DIN Gasket | 1 | | |
| | 913A0100H01 | Thermal Compound | A/R | | |
| -14 | 950A0241H07 | Valve, WIL, Angle, SC, 2-1/2" Danfoss (See Figure 18) | 1 | | |
| | 950A0241H08 | Valve, WIL, Angle, SC, 3" Danfoss (See Figure 18) | 1 | | |
| | 950A0241H09 | Valve, WIL, Angle, SC, 4" Danfoss (See Figure 18) | 1 | | |
| -15 | 950A0237H02 | Valve, Angle, THD, SC, 3/4", Danfoss | 1 | | |
| | 950A0232H21 | Spare Parts Kit, Complete, less stem, 3/4" | 1 | | |
| | 950A0232H41 | Spare Parts Kit, Cone, 3/4" | 1 | | |
| | 950A0232H31 | Spare Parts Kit, Packing Gland, 3/4" | 1 | | |
| | 950A0233H51 | Spare Parts Kit, Cap & Bonnet, 3/4" | 1 | | |
| | 950A0233H61 | Spare Parts Kit, Seal Cap & Gasket, 3/4" | 1 | | |
| | 950A0237H03 | Valve, Angle, THD, SC, 1", Danfoss | 1 | | |
| | 950A0232H22 | Spare Parts Kit, Complete, less stem, 1" | 1 | | |
| | 950A0232H42 | Spare Parts Kit, Cone, 1" | 1 | | |
| | 950A0232H32 | Spare Parts Kit, Packing Gland, 1" | 1 | | |
| | 950A0233H52 | Spare Parts Kit, Cap & Bonnet, 1" | 1 | | |
| | 950A0233H62 | Spare Parts Kit, Seal Cap & Gasket, 1" | 1 | | |
| -16 | 950A0245H03 | Valve, Globe, SW, SC, 1", Danfoss ⁽⁴⁾ | 1 | | |
| | 950A0232H22 | Spare Parts Kit, Complete, less stem, 1" | 1 | | |
| | 950A0232H42 | Spare Parts Kit, Cone, 1" | 1 | | |
| | 950A0232H32 | Spare Parts Kit, Packing Gland, 1" | 1 | | |
| | 950A0233H52 | Spare Parts Kit, Cap & Bonnet, 1" | 1 | | |
| | 950A0233H62 | Spare Parts Kit, Seal Cap & Gasket, 1" | 1 | | |
| -17 | 944A0246H15 | Adapter, 1" FPT x 1" SAE | 1 | | |
| | 980A0012K69 | O-ring only | 1 | | |
| -18 | 535A0356H01 | Bushing, Orifice, O-ring | 1 | | |
| | 980A0012K69 | O-ring only | 1 | | |

(1) Required for 1-2-3 Warranty

(2) See Quantum LX Maintenance S90-020 M, Recommended Spare Parts

(3) See Figure 5.

(4) Optional Oil Filter Isolation Valve

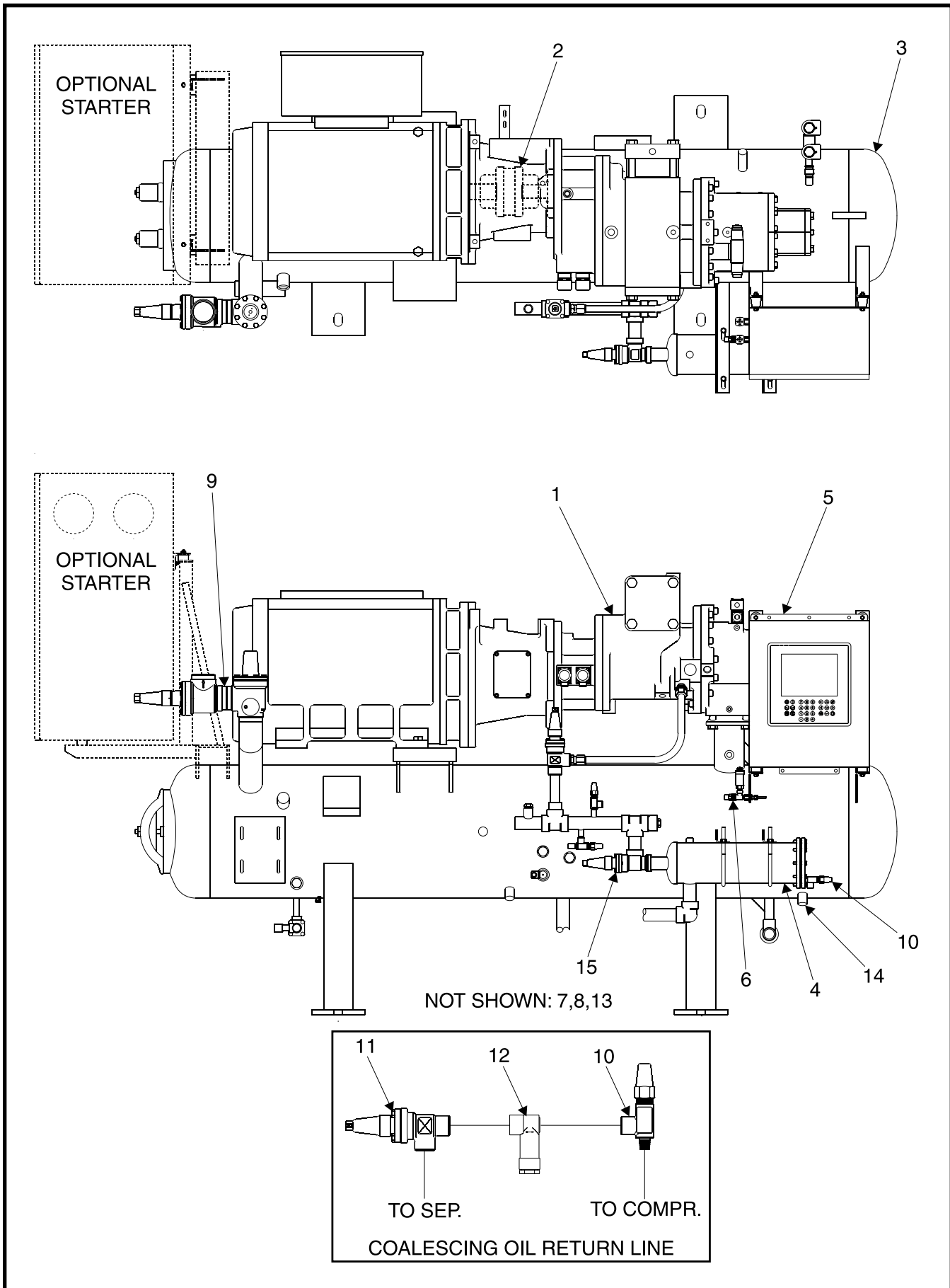
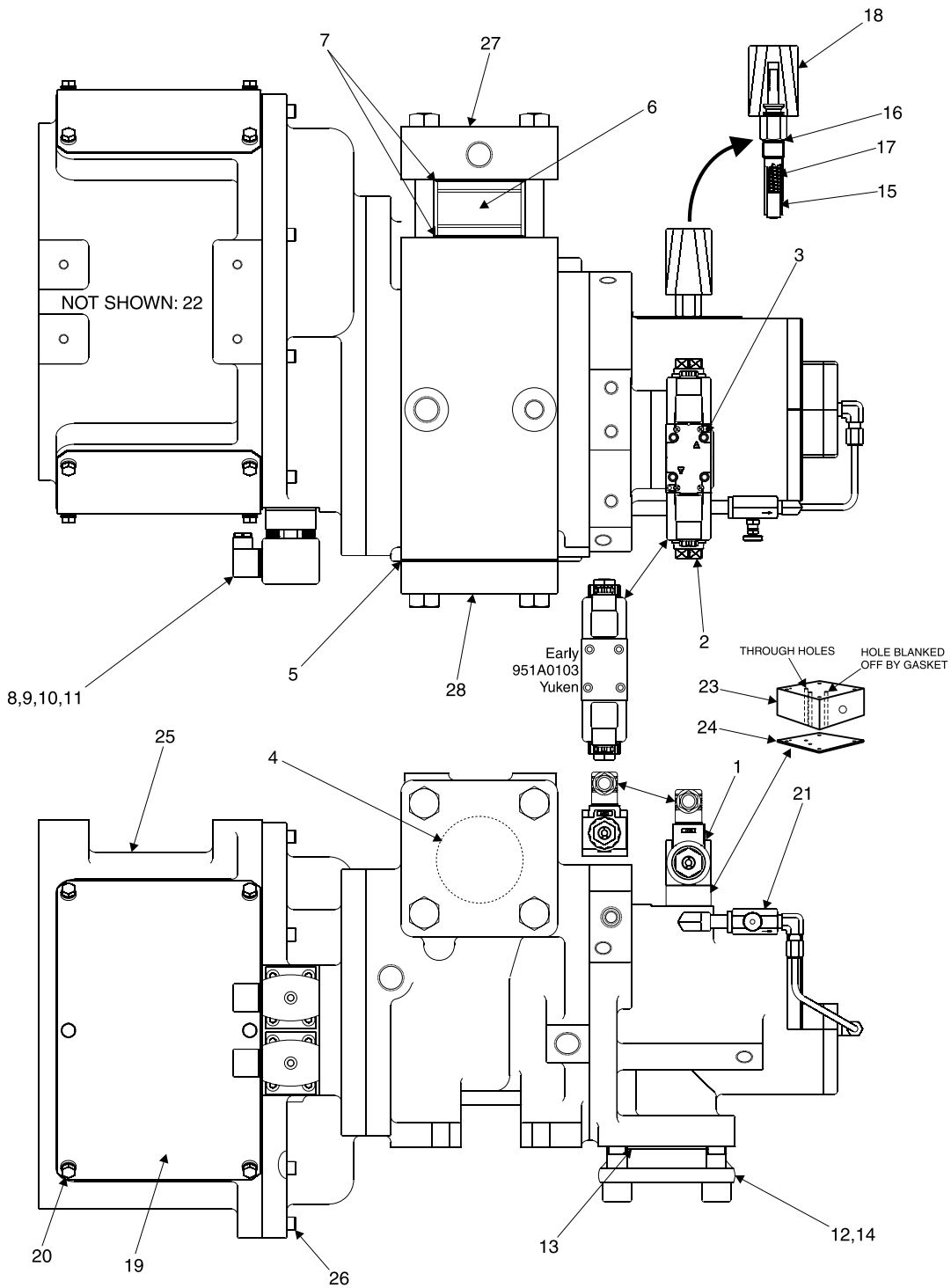


Figure 2. General Arrangement, Typical, RXF 58-101.

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|----------------------|-------------------------------------------------------------------------------------------------------|--------------|--------|------------|
| 2- | 720E0092 720E0091 | RXF 58 & 68, R-22 & R-717, Screw Compressor Unit RXF 85 & 101, R-22 & R-717, Screw Compressor Unit | Ref. Ref. | K L | |
| -1 | - | Screw Compressor (See Figure 4) | 1 | | |
| -2 | - | Coupling, Drive (See Figure 17) | 1 | | |
| -3 | - | Oil Separator and Safety Valve (See Figure 6) | 1 | | |
| -4 | - | Oil Filter (See Figure 13) | 1 | | |
| -5 | - | Quantum™ LX Control Center ⁽¹⁾ | 1 | | |
| -6 | - | Transducer Assembly (See Figure 16) | Ref. | | |
| -7 | - | Oil Pump Piping (See Figure 9) | Ref. | | |
| -8 | - | Oil Cooler Piping (See Figure 9) | Ref. | | |
| -9 | - | Valve, Discharge Stop/Check (See Figure 18) | 1 | | |
| -10 | 950A0292H01 | Valve, Angle, Needle, Seal Cap, 1/4" MPT x 1/4" FPT | 2 | | NV |
| -11 | 950A0233H03 | Valve, Angle, Seal Cap, 1" Danfoss | 2 | | |
| | 950A0232H22 | Spare Parts Kit, Complete, less stem, 1" | 1 | | |
| | 950A0232H42 | Spare Parts Kit, Cone, 1" | 1 | | |
| | 950A0232H32 | Spare Parts Kit, Packing Gland, 1" | 1 | | |
| | 950A0233H52 | Spare Parts Kit, Cap & Bonnet, 1" | 1 | | |
| | 950A0233H62 | Spare Parts Kit, Seal Cap & Gasket, 1" | 1 | | |
| -12 | 950A0019H01 | Strainer, 1/2" FPT | 1 | | STR |
| | 950A0019H02 | Gasket, Flange | 1 | | |
| | 950A0019H03 | Gasket, Screen | 1 | | |
| | 950A0019H04 | Kit, Screen w/Gasket | 1 | | |
| -13 | 950A0241H09 | Valve, WIL, Angle, SC, 4", Danfoss (See Fig. 18) ⁽²⁾ | 1 | | |
| | 950A0241H10 | Valve, WIL, Angle, SC, 5", Danfoss (See Fig. 18) ⁽²⁾ | 1 | | |
| -14 | 639A0151G01 | Assembly, Temperature Sensor | 4 | | TE |
| | 639A0151H01 | Sensor, Temperature, less Well | 4 | | |
| | 913A0098H01 | Well only | 4 | | |
| | 649A0890H01 | DIN Connector | 4 | | |
| | 649A0890H11 | DIN Gasket | 4 | | |
| | 913A0100H01 | Thermal Compound | A/R | | |
| -15 | 950A0233H04 | Valve, Angle, Seal Cap, 1-1/4", Danfoss | 1 | | |
| | 950A0233H05 | Valve, Angle, Seal Cap, 1-1/2", Danfoss | 1 | | |
| | 950A0232H22 | Spare Parts Kit, Complete, less stem, 1-1/4 & 1-1/2" | 1 | | |
| | 950A0232H42 | Spare Parts Kit, Cone, 1-1/4 & 1-1/2" | 1 | | |
| | 950A0232H32 | Spare Parts Kit, Packing Gland, 1-1/4 & 1-1/2" | 1 | | |
| | 950A0233H52 | Spare Parts Kit, Cap & Bonnet, 1-1/4 & 1-1/2" | 1 | | |
| | 950A0233H62 | Spare Parts Kit, Seal Cap & Gasket, 1-1/4 & 1-1/2" | 1 | | |

(1) See Quantum LX Maintenance S90-020 M, Recommended Spare Parts

(2) Not shown, shipped loose.



| COMPRESSOR PART NUMBERS | | |
|-------------------------|-------------|----------------|
| MODEL | NEW | REMANUFACTURED |
| XJF95S | 534E0452G01 | 534E0452S01 |
| XJF95M | 534E0452G02 | 534E0452S02 |
| XJF95L | 534E0452G03 | 534E0452S03 |
| XJF120S* | 534E0305G01 | 534E0305S01 |
| XJF120M | 534E0305G02 | 534E0305S02 |
| XJF120L | 534E0305G03 | 534E0305S03 |
| XJF120S* | 534E0305G04 | 534E0305S04 |

* 534E0305G01 is 1800 RPM. 534E0305G04 is 3600 RPM.

Figure 3. Compressor, XJF 95 & 120, RXF 12-50 (XJF 95 Shown).

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|------------------------------------------------------------------|------|------|------------|
| 3- | 534E0452 | Compressor, XJF95S, M, L, RXF 12-19 | Ref. | R | |
| | 534E0305 | Compressor, XJF120S, M, L, RXF 24-50 | Ref. | AB | |
| -1 | 951A0114H01 | Valve, Solenoid, 110/50, 120/60, Yuken ⁽¹⁾⁽²⁾ | 1 | | |
| | 951A0114H02 | Valve, Solenoid, 220/50, 240/60, 240/50, Yuken ⁽¹⁾⁽²⁾ | 1 | | |
| | 951A0113H20 | Seal Kit, Solenoid Valve, Yuken | 1 | | |
| -2 | 951A0114H05 | Coil, 120-60, 110-50 ⁽¹⁾⁽²⁾ | 2 | | |
| | 951A0114H06 | Coil, 240-60, 220-50, 240-50 ⁽¹⁾⁽²⁾ | 2 | | |
| -3 | 901A0234H20 | Capscrew, Socket Head, M5 x 80mm ⁽¹⁾⁽²⁾ | 4 | | |
| -4 | 534C0428G01 | Strainer, Suction, RXF 12-19 | 1 | | |
| | 534C0408G01 | Strainer, Suction, RXF 24-50 | 1 | | |
| -5 | 959A0054H08 | Gasket, Flange, RXF 12-19 | 1 | | |
| | 959A0054H10 | Gasket, Flange, RXF 24-50 | 1 | | |
| -6 | 956A0051H01 | Valve, Check, 2 1/2, ANSI Class 125, RXF 12 ⁽¹⁾ | 1 | | |
| | 956A0051H02 | Valve, Check, 3, ANSI Class 125, RXF 15-24 ⁽¹⁾ | 1 | | |
| | 956A0051H03 | Valve, Check, 4, ANSI Class 125, RXF 30-50 ⁽¹⁾ | 1 | | |
| -7 | 959A0054H07 | Gasket, Flange, RXF 12-15 | 2 | | |
| | 959A0054H08 | Gasket, Flange, RXF 19-24 | 2 | | |
| | 959A0054H10 | Gasket, Flange, RXF 30-50 | 2 | | |
| -8 | 951A0095G01 | Solenoid Valve, 110-120VAC w/DIN Connector | 2 | | |
| | 951A0095G02 | Solenoid Valve, 208-240VAC w/DIN Connector | 2 | | |
| | 951A0095H01 | Coil, Solenoid Valve, 110-120VAC | 2 | | |
| | 951A0095H02 | Coil, Solenoid Valve, 208-240VAC | 2 | | |
| | 649A0890H01 | DIN Connector (Gasket 649A0890H11) | 2 | | |
| -9 | 111Q0993344 | Valve, Solenoid | 2 | | |
| -10 | 534A0171H01 | Gasket, Solenoid Valve, 12-19 | 2 | | |
| | 534A0154H01 | Gasket, Solenoid Valve, 24-50 | 2 | | |
| -11 | 901A0085H19 | Capscrew, Socket Head, M8 x 30mm | 8 | | |
| -12 | 944A0358H04 | Flange, Socket Weld, RXF 12-19 | 1 | | |
| | 944A0358H05 | Flange, Socket Weld, RXF 24-50 | 1 | | |
| -13 | 959A0057H06 | Gasket, Flange, RXF 12-19 | 1 | | |
| | 959A0057H18 | Gasket, Flange, RXF 24-50 | 1 | | |
| -14 | 111Q0740772 | Capscrew, Socket Head, (M20 x 2.5) x 75mm, RXF 12-19 | 4 | | |
| | 111Q0740741 | Capscrew, Socket Head, (M20 x 2.5) x 60mm, RXF 24-50 | 4 | | |
| -15 | 534B0986H01 | Rod, Indicator, RXF 12-19 | 1 | | |
| | 534B0987H01 | Rod, Indicator, RXF 24-50 | 1 | | |
| -16 | 980A0012K62 | O-ring | 1 | | |
| -17 | 534A0883H01 | Spring, Compression | 1 | | |
| -18 | 534C1552H01 | Linear Transmitter, Short Stroke (Slide Valve Indicator) | 1 | | |
| -19 | 534C1011H01 | Cover, Access, RXF 12-19 | 2 | | |
| | 534C0660H01 | Cover, Access, RXF 24-50 | 2 | | |
| | 534C0709H01 | Gasket, Cover Plate, RXF 24-50 | 2 | | |
| -20 | 901A0085H04 | Capscrew, Socket Head, (M8x1.25) x 20mm, RXF 12-19 | 12 | | |
| | 333Q0000738 | Washer, Flat, RXF 12-19 | 12 | | |
| | 534A0506H01 | Grommet, RXF 12-19 | 12 | | |
| | 111Q0740740 | Capscrew, Socket Head, (M12x1.75) x 30mm, RXF 24-50 | 12 | | |
| -21 | 950A0292H01 | Valve, Angle, Needle, Seal Cap, 1/4" MPT x 1/4" FPT | 1 | | NV |
| -22 | 111Q0043229 | Kit, Shaft Seal, XJF 95 (Contains Shaft Seal Tool) | 1 | | |
| | 534A0980G01 | Kit, Shaft Seal, XJF 120 (Contains Shaft Seal Tool) | 1 | | |
| -23 | 534B1088H01 | Subplate, Yuken Valve | 1 | | |
| -24 | 534B1092H01 | Gasket, Subplate | 1 | | |
| -25 | 534E0437C01 | Support, Motor, 95 (tunnel), RXF 12-19 | 1 | | |
| | 534E0273C01 | Support, Motor, 120 (tunnel), RXF 24-50 | 1 | | |
| -26 | 901A0089H01 | Capscrew, Socket Head, (M12x1.75) x 45mm, RXF 12-50 | 6 | | |
| -27 | 534C1868H01 | Flange, Suction, 2 1/2", RXF 12-15 (XJF 95S & 95M) | 1 | | |
| | 534C1872H01 | Flange, Suction, 3", RXF 19 (XJF 95L) | 1 | | |
| | 534C1870H01 | Flange, Suction, 3", RXF 24 (XJF 120S) | 1 | | |
| | 534C1874H01 | Flange, Suction, 4", RXF 30-50 (XJF 120 M & 120L) | 1 | | |
| -28 | 534D0349C01 | Flange, Blank | 1 | | |

(1) Index numbers 1, 2, 3, and 6 are not supplied with replacement compressors.

(2) 951A0114 Yuken Valve replaces earlier 951A0103 Yuken Valve for service. Coils do not interchange and Seal Kit is different.

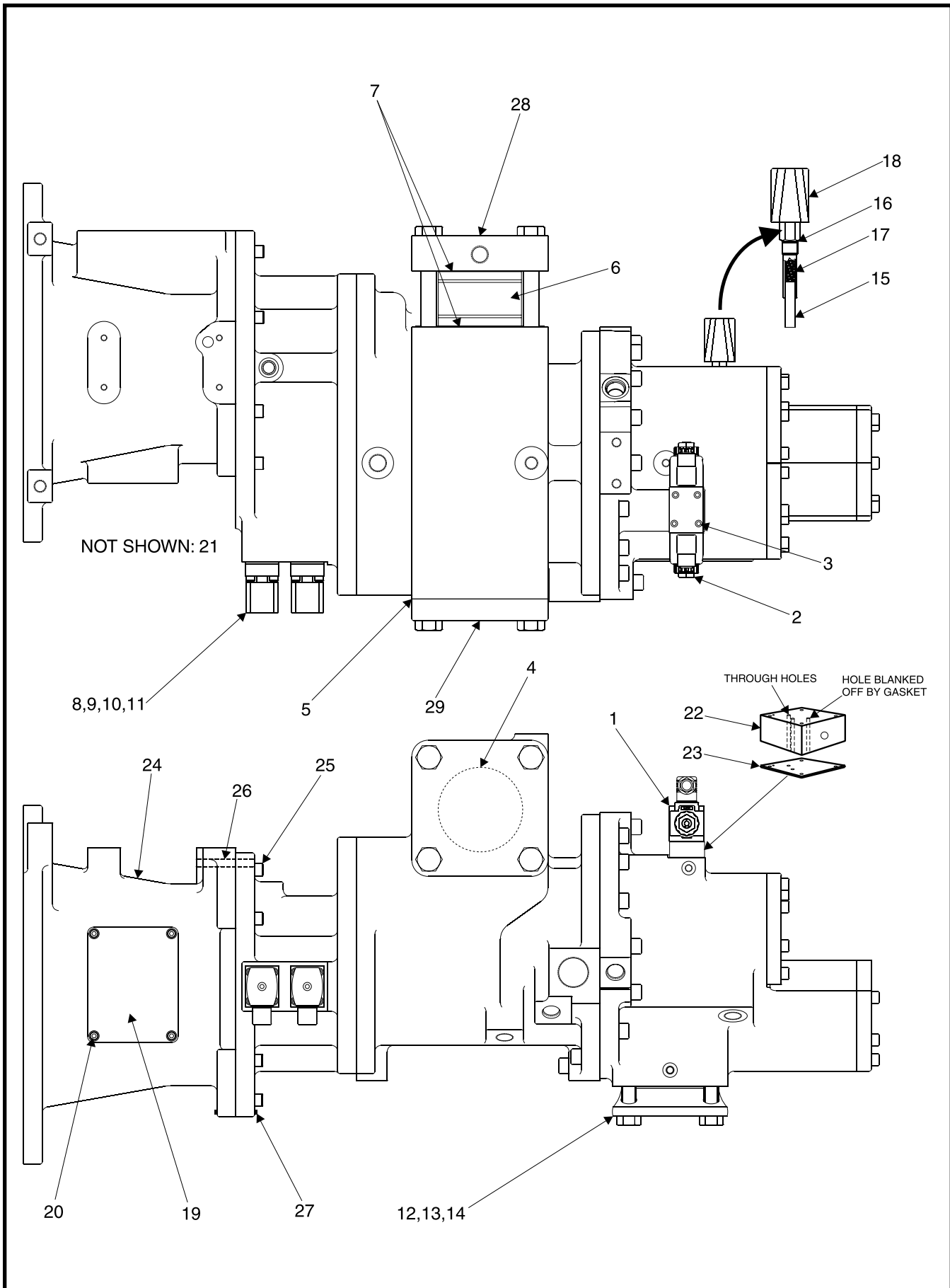


Figure 4. Compressor, Typical, XJF 151, RXF 58-101.

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|---------------------------------------------------------------|------|------|------------|
| 4- | 534E0533G01 | Compressor, New, XJF 151A, RXF 58 | Ref. | AA | |
| | 534E0533S01 | Compressor, Remanufactured, XJF 151A, RXF 58 | Ref. | | |
| | 534E0533G02 | Compressor, New, XJF 151M, RXF 68 | Ref. | AA | |
| | 534E0533S02 | Compressor, Remanufactured, XJF 151M, RXF 68 | Ref. | | |
| | 534E0533G03 | Compressor, New, XJF 151L, RXF 85 | Ref. | AA | |
| | 534E0533S03 | Compressor, Remanufactured, XJF 151L, RXF 85 | Ref. | | |
| | 534E0533G04 | Compressor, New, XJF 151N, RXF 101 | Ref. | AA | |
| | 534E0533S04 | Compressor, Remanufactured, XJF 151N, RXF 101 | Ref. | | |
| -1 | 951A0103H01 | Valve, Solenoid, 110/50, 120/60, Yuken ⁽¹⁾ | 1 | | |
| | 951A0103H02 | Valve, Solenoid, 220/50, 240/60, 240/50, Yuken ⁽¹⁾ | 1 | | |
| | 951A0102H20 | Seal Kit, Solenoid Valve, Yuken | 1 | | |
| -2 | 951A0103H05 | Coil, 120-60, 110-50 ⁽¹⁾ | 2 | | |
| | 951A0103H06 | Coil, 240-60, 220-50, 240-50 ⁽¹⁾ | 2 | | |
| -3 | 901A0234H20 | Capscrew, Socket Head, M5 x 80mm ⁽¹⁾ | 4 | | |
| -4 | 534B0527H01 | Strainer, Suction | 1 | | |
| -5 | 980A0012B91 | O-ring, Suction Flange | 1 | | |
| -6 | 956A0051H04 | Valve, Check, 5", ANSI Class 125, RXF 58-101 ⁽¹⁾ | 1 | | |
| -7 | 959A0044H11 | Gasket, Check Valve and Suction Flange | 2 | | |
| -8 | 951A0054H01 | Coil, Solenoid Valve, 110-120 VAC | 2 | | |
| | 951A0054H03 | Coil, Solenoid Valve, 220-240 VAC | 2 | | |
| | 649A0890H01 | DIN Connector (Gasket 649A0890H11) | 2 | | |
| -9 | 111Q0993344 | Valve, Solenoid | 2 | | |
| -10 | 534A0565H01 | Gasket, Solenoid Valve | 2 | | |
| -11 | 901A0085H19 | Capscrew, Socket Head, M8 x 30 | 8 | | |
| -12 | 959A0057H09 | Gasket | 1 | | |
| -13 | 944A0296H08 | Flange, Socket Weld, 4" | 1 | | |
| -14 | 111Q0740781 | Capscrew, Hex Head, M22 x 60mm | 4 | | |
| -15 | 534B1023H01 | Rod, Indicator | 1 | | |
| -16 | 980A0012K62 | O-ring | 1 | | |
| -17 | 534A0883H01 | Spring, Compression | 1 | | |
| -18 | 534C1552H01 | Linear Transmitter, Short Stroke (Slide Valve Indicator) | 1 | | |
| -19 | 534A0566H01 | Plate, Cover, Near Side | 1 | | |
| | 534A0567H01 | Plate, Cover, Far Side | 1 | | |
| -20 | 901A0085H04 | Capscrew, Socket Head, (M8x1.25) x 20mm | 8 | | |
| | 534A0506H01 | Grommet | 8 | | |
| | 333Q0000738 | Washer, Flat, M8 | 8 | | |
| -21 | 534M0602G02 | Kit, Shaft Seal | 1 | | |
| -22 | 534B1088H01 | Subplate, Yuken Valve | 1 | | |
| -23 | 534B1092H01 | Gasket, Subplate | 1 | | |
| -24 | 534E0521C01 | Support, Motor (tunnel), 151, RXF 58-101 | 1 | | |
| -25 | 111Q0740737 | Capscrew, (M16x2.0) x 50mm | 8 | | |
| -26 | 534B0149H01 | Pin, Dowel | 1 | | |
| -27 | 534B0151H01 | Pin, Dowel | 1 | | |
| -28 | 534C1875H01 | Flange, Suction, 5" | 1 | | |
| -29 | 534C1062C01 | Flange, Blank | 1 | | |

(1) Replacement solenoid valves include coils. Index numbers 1, 2, 3, and 6 are not supplied with replacement compressors.

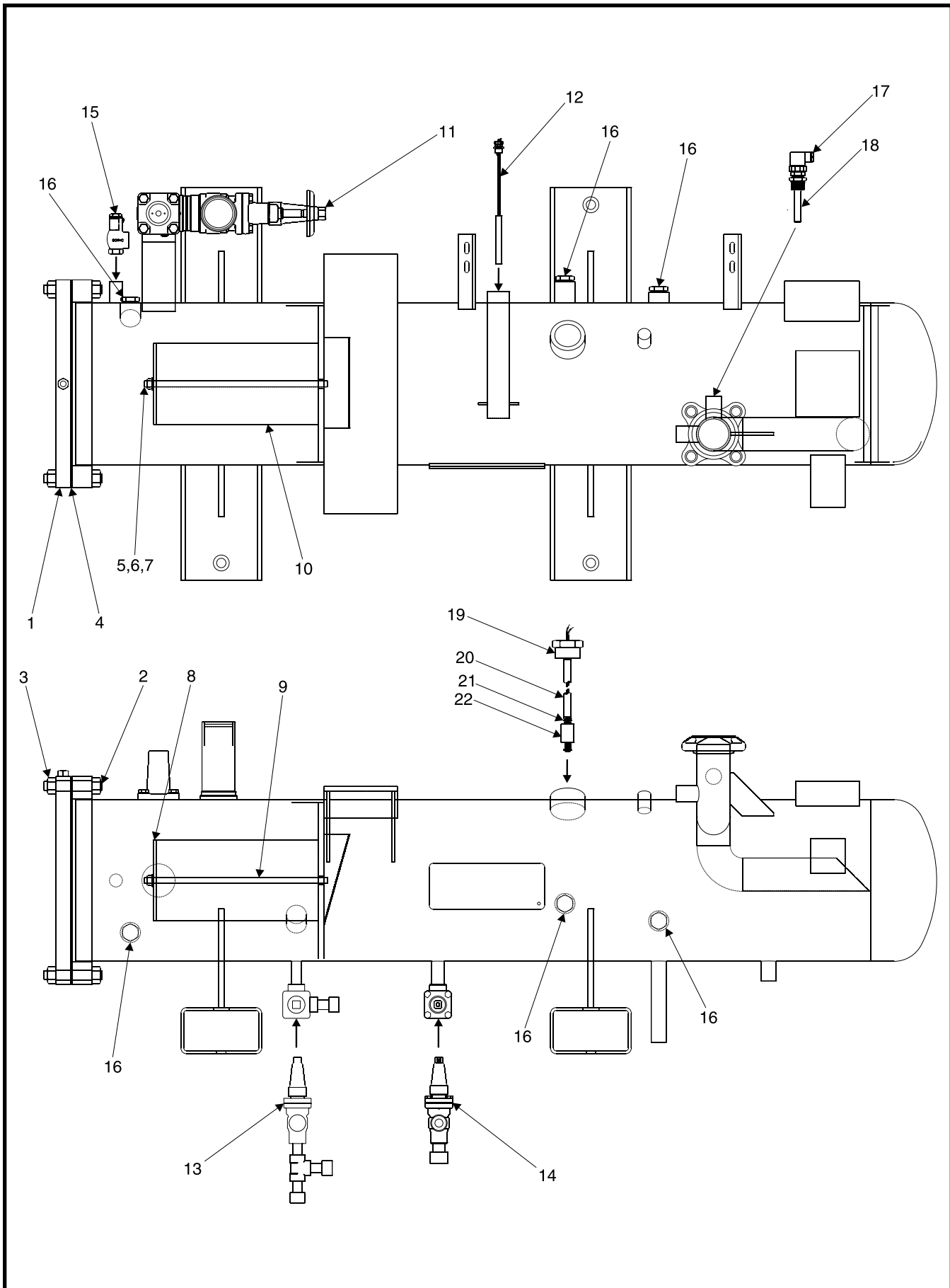


Figure 5. Oil Separator, Typical, RXF 12-50.

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|--------------------------------------------------------|------|------|------------|
| 5- | 548E0378 | Oil Separator, 14 x 76-1/4", RXF 12-19 | Ref. | D | |
| | 548E0379 | Oil Separator, 16 x 76-11/16", RXF 24-39 | Ref. | D | |
| | 548E0380 | Oil Separator, 16 x 76-11/16", RXF 50 | Ref. | D | |
| -1 | 548C0509H04 | Cover, 14", RXF 12-19 | 1 | | |
| | 548C0509H05 | Cover, 16", RXF 24-50 | 1 | | |
| -2 | 901A0099H07 | Stud, 14", Cover, 3/4NC x 5-1/2" | 12 | | |
| -3 | 902A0021H02 | Nut, Hi-Tensile, 3/4" UNC | 24 | | |
| -4 | 959A0090H04 | Gasket, 14" Cover, RXF 12-19 | 1 | | |
| | 959A0090H05 | Gasket, 16" Cover, RXF 24-50 | 1 | | |
| -5 | 902A0021H01 | Nut, High Tensile, 1/2" UNC | 2 | | |
| -6 | 905A0012H05 | Washer, 1/2" | 1 | | |
| -7 | 540D0217H06 | Seal | 1 | | |
| -8 | 548C0150G02 | Plate, End, RXF 12-19 | 1 | | |
| | 540D0217G02 | Plate, End, RXF 24-50 | 1 | | |
| -9 | 548C0147G02 | Stud, Filter, RXF 12-19 | 1 | | |
| | 548A0068G01 | Stud, Filter, RXF 24-50 | 1 | | |
| -10 | 531B0065H06 | Element, RXF 12-19 | 1 | | |
| | 531B0099H02 | Element, Demistifier™, RXF 24-50 | 1 | | |
| -11 | - | Valve, Discharge Stop/Check, 2.5", 12-19 (See Fig. 18) | 1 | | |
| | - | Valve, Discharge Stop/Check, 3", 24-50 (See Fig. 18) | 1 | | |
| -12 | 913A0047H01 | Heater, Oil, 500W, 120VAC | 1 | | HTR |
| | 913A0047H02 | Heater, Oil, 1000W, 120VAC | 1 | | HTR |
| | 913A0047H03 | Heater, Oil, 500W, 240VAC | 1 | | HTR |
| | 913A0047H04 | Heater, Oil, 1000W, 240VAC | 1 | | HTR |
| -13 | 950A0233H01 | Valve, Angle, SW, SC, 1/2" | 1 | | |
| | 950A0232H21 | Spare Parts Kit, Complete, less stem, 1/2" | 1 | | |
| | 950A0232H41 | Spare Parts Kit, Cone, 1/2" | 1 | | |
| | 950A0232H31 | Spare Parts Kit, Packing Gland, 1/2" | 1 | | |
| | 950A0233H51 | Spare Parts Kit, Cap & Bonnet, 1/2" | 1 | | |
| | 950A0233H61 | Spare Parts Kit, Seal Cap & Gasket, 1/2" | 1 | | |
| -14 | 950A0233H02 | Valve, Angle, SW, SC, 3/4" | 1 | | |
| | 950A0232H21 | Spare Parts Kit, Complete, less stem, 3/4" | 1 | | |
| | 950A0232H41 | Spare Parts Kit, Cone, 3/4" | 1 | | |
| | 950A0232H31 | Spare Parts Kit, Packing Gland, 3/4" | 1 | | |
| | 950A0233H51 | Spare Parts Kit, Cap & Bonnet, 3/4" | 1 | | |
| | 950A0233H61 | Spare Parts Kit, Seal Cap & Gasket, 3/4" | 1 | | |
| -15 | 952A0051H10 | Valve, Safety, 1/2" 300# | 1 | | PSV |
| | 952A0052H10 | Valve, Safety, 3/4" 300# | 1 | | PSV |
| -16 | 947A0003H04 | Sight Glass, 1" | 3 | | |
| -17 | 639A0151G01 | Assembly, Sensor, Temperature | 4 | | TE |
| | 639A0151H01 | Sensor, Temperature (Less DIN Connector) | 4 | | |
| | 649A0890H01 | Connector, DIN (with M3 connection for shielded cable) | 4 | | |
| | 649A0890H11 | Gasket, DIN | 4 | | |
| | 913A0100H01 | Thermal Compound, Temperature Sensor | A/R | | |
| -18 | 913A0098H01 | Well, Temperature Sensor | 4 | | |
| | 720A0013 | Liquid Level Float Switch Assembly | Ref. | | |
| -19 | 535A0015H01 | Bushing, Reducing, 2" NPT x 3/8-18 ⁽¹⁾ | 1 | | |
| -20 | 535A0181H09 | Rod, Extension, RXF 12-19 | 1 | | |
| | 535A0181H10 | Rod, Extension, RXF 24-50 | 1 | | |
| -21 | 944A0010H01 | Bushing | 1 | | |
| -22 | 536A1419H01 | Switch, Liquid Level Float ⁽¹⁾ | 1 | | |

1. If item 5-19 is the earlier 535A0123H01-1" NPT, then 5-22 will be switch 913A0086H02 w/splash shield.

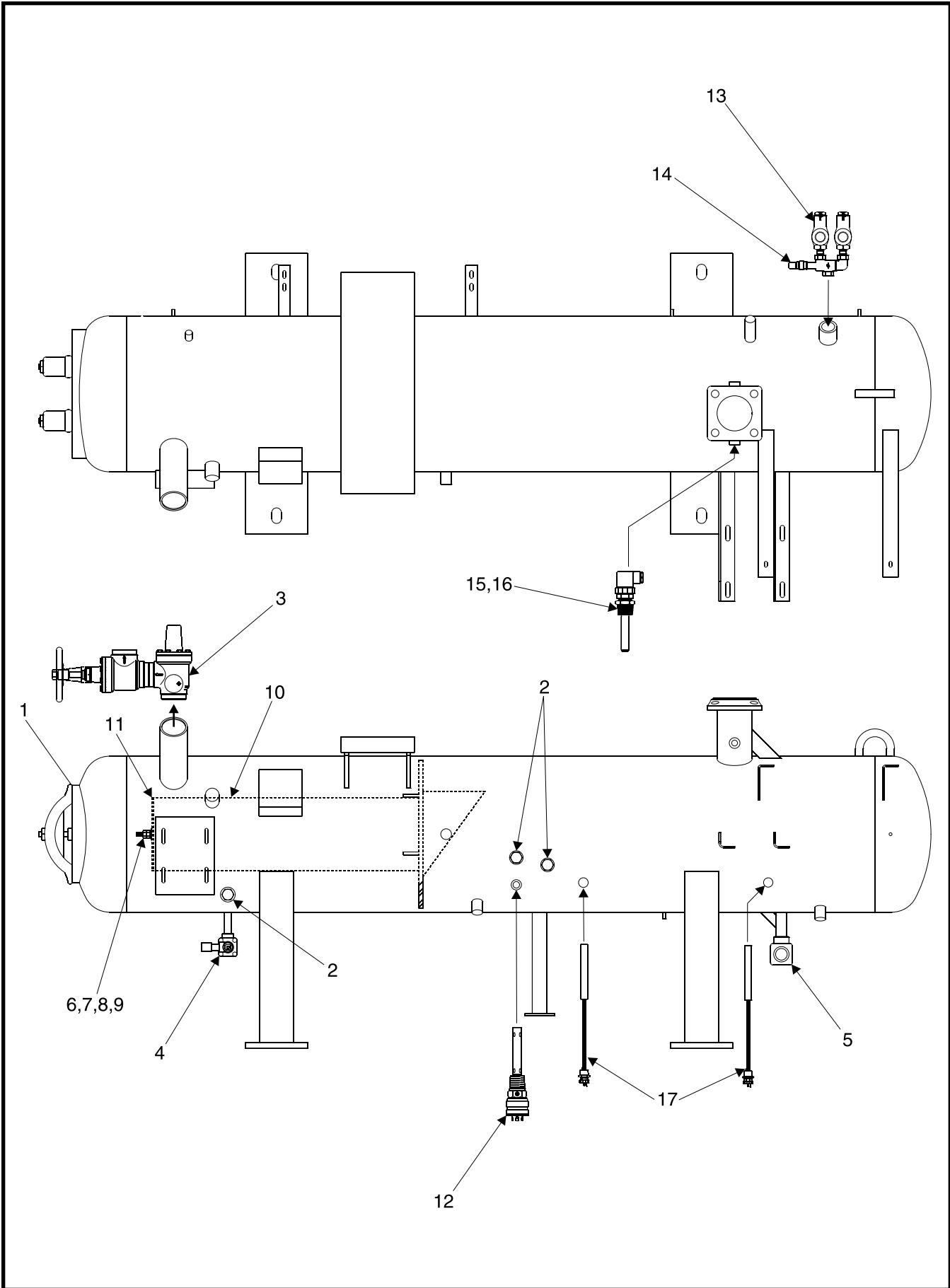


Figure 6. Oil Separator, Typical, RFX 58-101.

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------|--------------------------|
| 6- | 548E0373 548E0372 | Oil Separator, 20 x 107-11/16", RXF 58 & 68 Oil Separator, 24 x 112-15/16", RXF 85 & 101 | Ref. Ref. | L L | |
| -1 | 531A0105H03 531A0105H04 | Gasket, Manway, RXF 58 & 68 Gasket, Manway, RXF 85 & 101 | 1 1 | | |
| -2 | 947A0003H04 | Sight Glass, 1" | 3 | | |
| -3 | 582C0029 582C0030 | Valve, Disch., Stop/Check, 3", RXF 58 & 68 (Fig. 18) Valve, Disch., Stop/Check, 4", RXF 85 & 101 (Fig. 18) | Ref. Ref. | | |
| -4 | 950A0233H01 950A0232H21 950A0232H41 950A0232H31 950A0233H51 950A0233H61 | Valve, Angle, SW, SC, 1/2", Danfoss Spare Parts Kit, Complete, less stem, 1/2" Spare Parts Kit, Cone, 1/2" Spare Parts Kit, Packing Gland, 1/2" Spare Parts Kit, Cap & Bonnet, 1/2" Spare Parts Kit, Seal Cap & Gasket, 1/2" | 1 1 1 1 1 1 | | |
| -5 | 950A0233H03 950A0232H22 950A0232H42 950A0232H32 950A0233H52 950A0233H62 | Valve, Angle, SW, SC, 1", Danfoss Spare Parts Kit, Complete, less stem, 1" Spare Parts Kit, Cone, 1" Spare Parts Kit, Packing Gland, 1" Spare Parts Kit, Cap & Bonnet, 1" Spare Parts Kit, Seal Cap & Gasket, 1" | 1 1 1 1 1 1 | | |
| -6 | 905A0012H05 905A0012H05 | Washer, 1/2", RXF 58 & 68 Washer, 1/2", RXF 85 & 101 | 1 2 | | |
| -7 | 540D0217H06 540D0217H06 | Seal Washer, RXF 58 & 68 Seal Washer, RXF 85 & 101 | 1 2 | | |
| -8 | 902A0021H01 902A0021H01 | Nut, Hi-Tensile, 1/2", RXF 58 & 68 Nut, Hi-Tensile, 1/2", RXF 85 & 101 | 2 4 | | |
| -9 | 540D0217G03 540D0217G03 | Rod, Threaded, 1/2-13NC x 42-3/4", RXF 58 & 68 Rod, Threaded, 1/2-13NC x 42-3/4", RXF 85 & 101 | 1 2 | | |
| -10 | 531B0099H01 531B0099H01 | Element, Demistifier™, RXF 58 & 68 Element, Demistifier™, RXF 85 & 101 | 1 2 | | |
| -11 | 540D0217G02 540D0217G02 | Plate, End Assembly, RXF 58 & 68 Plate, End Assembly, RXF 85 & 101 | 1 2 | | |
| -12 | 913A0123H01 913A0123H11 649A0890H01 649A0890H11 | Assembly, Oil Level Sensor (less DIN Connector) Sensor, Oil Level, less probe Connector, DIN (not shown) Gasket, DIN | 1 1 1 1 | | |
| | 580C0424 580C0425 580C0426 580C0404 | Assembly, Dual Safety Valve 813, 1/2", 300 PSIG Assembly, Dual Safety Valve 814, 3/4", 300 PSIG Assembly, Dual Safety Valve 815, 1", 300 PSIG Assembly, Dual Safety Valve 851, 300 PSIG | Ref. Ref. Ref. Ref. | | PSV PSV PSV PSV |
| -13 | 952A0051H10 952A0052H10 952A0053H09 952A0055H07 | Valve, Safety Relief 813, 1/2" FPT in x 1" FPT out Valve, Safety Relief 814, 3/4" FPT in x 1 1/4" FPT out Valve, Safety Relief 815, 1" FPT in x 1 1/2" FPT out Valve, Safety Relief 851, 1" MPT in x 2" MPT out | 2 2 2 2 | | |
| -14 | 955B0005H01 955B0005H02 955B0005H03 | Valve, Shutoff, Three-way, 1/2" Valve, Shutoff, Three-way, 3/4" Valve, Shutoff, Three-way, 1" | 1 1 1 | | |
| -15 | 639A0151H01 649A0890H01 649A0890H11 913A0100H01 | Sensor, Temperature (Less DIN Connector) Connector, DIN Gasket, DIN Thermal Compound, Temperature Sensor | 4 4 4 A/R | | TE |

RXF ROTARY SCREW COMPRESSOR UNIT
SERVICE PARTS LIST



| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|---------------------------------------|------|------|------------|
| 6- | - | Oil Separator, RXF 58 - 101 Continued | Ref. | | |
| -16 | 913A0098H01 | Well, Temperature Sensor | 4 | | |
| -17 | 913A0092G01 | Heater, Oil, 500W, 120VAC, w/DIN | 2 | | HTR |
| | 913A0092G02 | Heater, Oil, 1000W, 120VAC, w/DIN | 2 | | HTR |
| | 913A0092G03 | Heater, Oil, 500W, 240VAC, w/DIN | 2 | | HTR |
| | 913A0092G04 | Heater, Oil, 1000W, 240VAC, w/DIN | 2 | | HTR |

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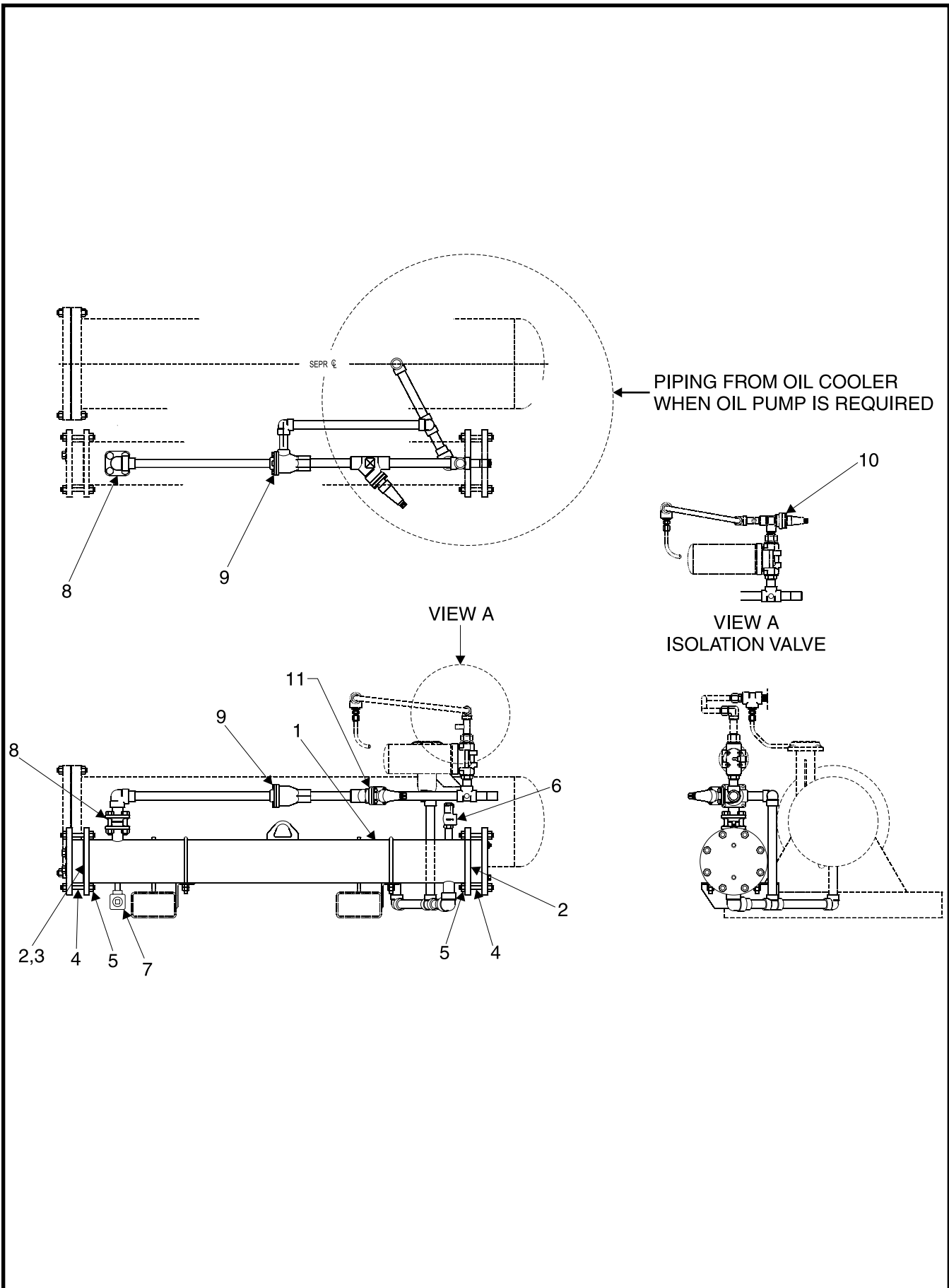


Figure 7. Oil Cooler Piping, Typical, RXF 12-50, WCOC Shown.

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. | |
|--------------|-------------|----------------------------------------------------------|---------------------------------------------------------|------|------------|--|
| 7- | 535D0317 | Thermosyphon Oil Cooler, 6" x 5' (12-19) | Ref. | E | | |
| | 535D0318 | Thermosyphon Oil Cooler w/Amot, 6" x 5' (12-19) | Ref. | E | | |
| | 535D0319 | Water Cooled Oil Cooler, (4 Pass) 6" x 5' (12-19) | Ref. | F | | |
| | 535D0320 | Water Cooled Oil Cooler (4 Pass) w/Amot, 6" x 5' (12-19) | Ref. | F | | |
| | 535D0348 | Water Cooled Oil Cooler (2 Pass) w/Amot, 6" x 5' (24-50) | Ref. | E | | |
| | 535D0349 | Water Cooled Oil Cooler, (2 Pass) 6" x 5' (24-50) | Ref. | E | | |
| | 535D0350 | Water Cooled Oil Cooler (4 Pass) w/Amot, 6" x 5' (24-50) | Ref. | E | | |
| | 535D0351 | Water Cooled Oil Cooler, (4 Pass) 6" x 5' (24-50) | Ref. | E | | |
| | 535D0352 | Water Cooled Oil Cooler (2 Pass) w/Amot, 8" x 5' (24-50) | Ref. | E | | |
| | 535D0353 | Water Cooled Oil Cooler, (2 Pass) 8" x 5' (24-50) | Ref. | E | | |
| | 535D0354 | Water Cooled Oil Cooler (4 Pass) w/Amot, 8" x 5' (24-50) | Ref. | E | | |
| | 535D0355 | Water Cooled Oil Cooler, (4 Pass) 8" x 5' (24-50) | Ref. | E | | |
| | 535D0536 | Thermosyphon Oil Cooler w/Amot, 10" x 5' (24-50) | Ref. | B | | |
| | 535D0537 | Thermosyphon Oil Cooler, 10" x 5' (24-50) | Ref. | B | | |
| | 535D0271 | Thermosyphon Oil Cooler, 6" x 5' (24-50) | Ref. | L | | |
| | 535D0275 | Thermosyphon Oil Cooler w/Amot, 6" x 5' (24-50) | Ref. | L | | |
| | 535D0282 | Thermosyphon Oil Cooler w/Amot, 8" x 5' (24-50) | Ref. | K | | |
| | 535D0283 | Thermosyphon Oil Cooler, 8" x 5' (24-50) | Ref. | K | | |
| | -1 | 547D0485G01 | Oil Cooler, Thermosyphon, 6-5/8 x 60", 400 PSIG, 1 Pass | 1 | | |
| | | 547D0486G01 | Oil Cooler, Thermosyphon, 8-5/8 x 60", 400 PSIG, 1 Pass | 1 | | |
| 547D0487G01 | | Oil Cooler, Thermosyphon, 10-3/4 x 60", 400 PSIG, 1 Pass | 1 | | | |
| 547D0714G01 | | Oil Cooler, Thermosyphon, 6-5/8" x 8', 400 PSIG, 1 Pass | 1 | | | |
| 547D0715G01 | | Oil Cooler, Thermosyphon, 8-5/8" x 8', 400 PSIG, 1 Pass | 1 | | | |
| 547D0493G01 | | Oil Cooler, Water Cooled, 6-5/8 x 60", 400 PSIG, 2 Pass | 1 | | | |
| 547D0500G01 | | Oil Cooler, Water Cooled, 6-5/8 x 60", 400 PSIG, 4 Pass | 1 | | | |
| 547D0494G01 | | Oil Cooler, Water Cooled, 8-5/8 x 60", 400 PSIG, 2 Pass | 1 | | | |
| 547D0501G01 | | Oil Cooler, Water Cooled, 8-5/8 x 60", 400 PSIG, 4 Pass | 1 | | | |
| 547D0691G01 | | Oil Cooler, Water Cooled, 10-3/4 x 60", 400 PSIG, 2 Pass | 1 | | | |
| 547D0504G01 | | Oil Cooler, Water Cooled, 10-3/4 x 60", 400 PSIG, 4 Pass | 1 | | | |
| -2 | | 959A0040H16 | Gasket, Head, 6-5/8" | 2 | | |
| | 959A0040H15 | Gasket, Head, 8-5/8" | 2 | | | |
| | 959A0040H17 | Gasket, Head, 10-3/4" | 2 | | | |
| -3 | 959A0040H50 | Gasket, Strip (Front Only) | 1 | | | |
| -4 | 901A0098H16 | Stud, 5/8 x 5-1/4 NC, 6-5/8" | 16 | | | |
| | 901A0098H19 | Stud, 5/8 x 6 NC (2 Pass), 8-5/8" | 16 | | | |
| | 901A0098H21 | Stud, 5/8 x 6-1/2 NC (4 Pass), 8-5/8" & (2 Pass) 10-3/4" | 16 | | | |
| | 901A0098H22 | Stud, 5/8 x 6-3/4 NC (4 Pass), 10-3/4" | 16 | | | |
| -5 | 902A0021H03 | Nut, 5/8 NC | 32 | | | |
| -6 | 952A0025H01 | Valve, Safety, 1/2" Shank, 300 PSIG, Vent to Separator | 1 | | | |
| -7 | 950A0233H01 | Valve, Angle, Seal Cap, SW, 1/2", Danfoss | 1 | | | |
| | 950A0232H21 | Spare Parts Kit, Complete, less stem, 1/2" | 1 | | | |
| | 950A0232H41 | Spare Parts Kit, Cone, 1/2" | 1 | | | |
| | 950A0232H31 | Spare Parts Kit, Packing Gland, 1/2" | 1 | | | |
| | 950A0233H51 | Spare Parts Kit, Cap & Bonnet, 1/2" | 1 | | | |
| | 950A0233H61 | Spare Parts Kit, Seal Cap & Gasket, 1/2" | 1 | | | |

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|---------------------------------------|-----------------------------------------------------|------|------|------------|
| 7- | - | Thermosyphon Oil Cooler, Continued | Ref. | | |
| -8 | 944A0360G10 | Kit, Flange, SW, 1-1/4" | 1 | | |
| | 959A0057H04 | Gasket | 2 | | |
| | 944A0360G11 | Kit, Flange, SW, 1-1/2" | 1 | | |
| | 959A0057H05 | Gasket | 2 | | |
| -9 | 950A0282H01 | Valve, Temperature Regulating, 1" SW, 120°F, Hansen | 1 | | |
| | 950A0282H11 | Kit, Service, consisting of Thermostat and Gasket | 1 | | |
| -10 | 950A0237H02 | Valve, Angle, Seal Cap, 3/4" Threaded, Danfoss* | 1 | | |
| | 950A0232H21 | Spare Parts Kit, Complete, less stem, 3/4" | 1 | | |
| | 950A0232H41 | Spare Parts Kit, Cone, 3/4" | 1 | | |
| | 950A0232H31 | Spare Parts Kit, Packing Gland, 3/4" | 1 | | |
| | 950A0233H51 | Spare Parts Kit, Cap & Bonnet, 3/4" | 1 | | |
| | 950A0233H61 | Spare Parts Kit, Seal Cap & Gasket, 3/4" | 1 | | |
| | 950A0237H03 | Valve, Angle, Seal Cap, 1" Threaded, Danfoss* | 1 | | |
| | 950A0232H22 | Spare Parts Kit, Complete, less stem, 1" | 1 | | |
| | 950A0232H42 | Spare Parts Kit, Cone, 1" | 1 | | |
| | 950A0232H32 | Spare Parts Kit, Packing Gland, 1" | 1 | | |
| | 950A0233H52 | Spare Parts Kit, Cap & Bonnet, 1" | 1 | | |
| | 950A0233H62 | Spare Parts Kit, Seal Cap & Gasket, 1" | 1 | | |
| -11 | 950A0245H03 | Valve, Globe, Seal Cap, SW, 1" Danfoss* | 1 | | |
| | 950A0232H22 | Spare Parts Kit, Complete, less stem, 1" | 1 | | |
| | 950A0232H42 | Spare Parts Kit, Cone, 1" | 1 | | |
| | 950A0232H32 | Packing Gland Assembly, 1" | 1 | | |
| | 950A0233H52 | Cap & Bonnet Spare Parts Kit, 1" | 1 | | |
| | 950A0233H62 | Seal Cap & Gasket Spare Parts Kit, 1" | 1 | | |
| | * Optional Oil Filter Isolation Valve | | | | |

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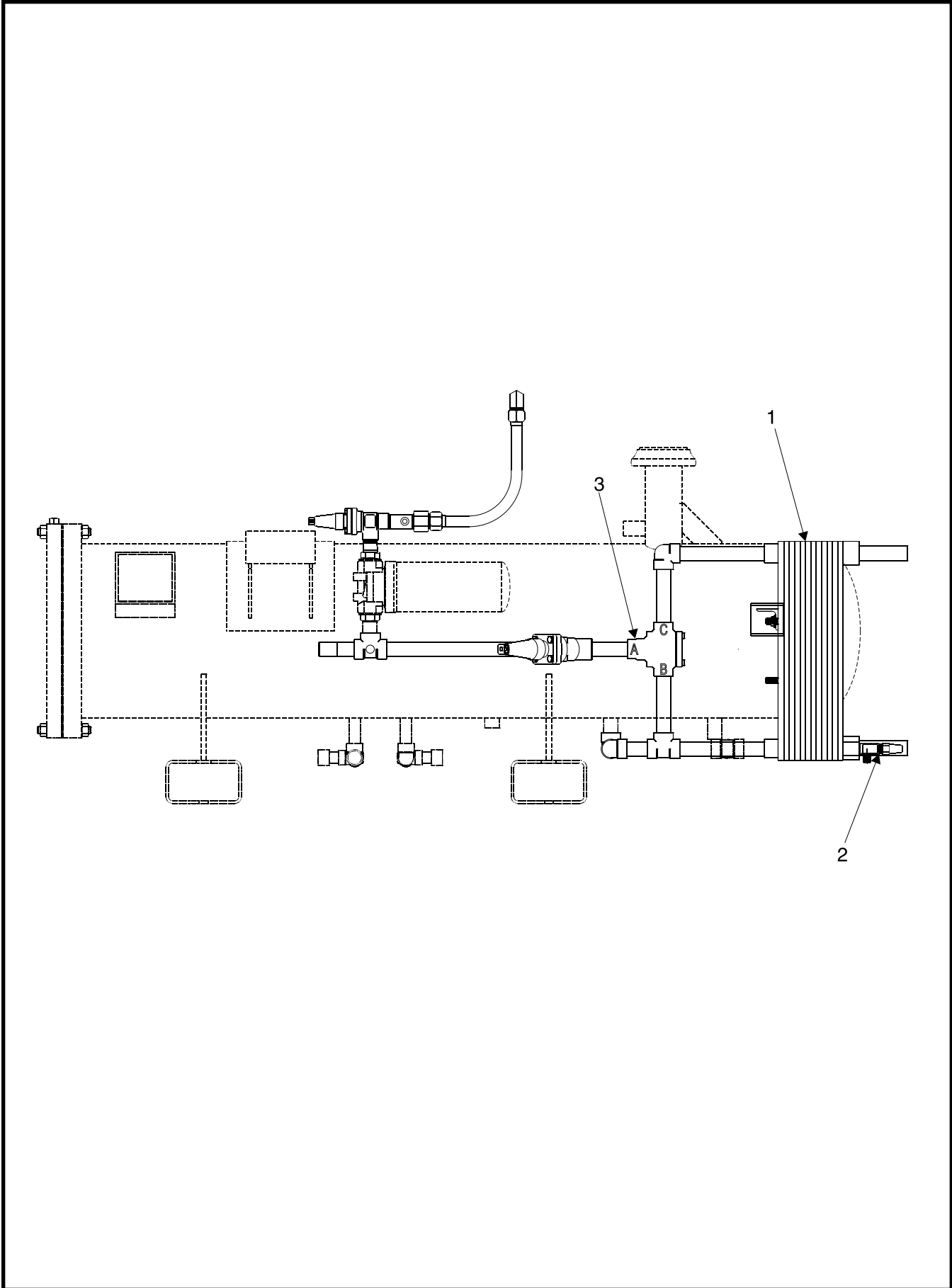


Figure 8. Plate Oil Cooler Piping, Typical, RXF 12-50.

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|------------------------------------------------------|------|------|------------|
| 8- | 535D0525 | Thermosyphon Oil Cooler, Plate Cooler (12-19) | Ref. | C | |
| | 535D0526 | Thermosyphon Oil Cooler, Plate Cooler w/Amot (12-19) | Ref. | C | |
| | 535D0466 | Thermosyphon Oil Cooler, Plate Cooler (24-50) | Ref. | F | |
| | 535D0467 | Thermosyphon Oil Cooler, Plate Cooler w/Amot (24-50) | Ref. | F | |
| -1 | 990A0082H01 | Oil Cooler, Flat Plate, 5 x 20-20, 300 PSIG | 1 | | |
| | 990A0082H02 | Oil Cooler, Flat Plate, 5 x 20-30, 300 PSIG | 1 | | |
| | 990A0082H03 | Oil Cooler, Flat Plate, 5 x 20-40, 300 PSIG | 1 | | |
| | 990A0082H04 | Oil Cooler, Flat Plate, 5 x 20-50, 300 PSIG | 1 | | |
| | 990A0082H05 | Oil Cooler, Flat Plate, 5 x 20-60, 300 PSIG | 1 | | |
| | 990A0082H06 | Oil Cooler, Flat Plate, 5 x 20-70, 300 PSIG | 1 | | |
| | 990A0082H07 | Oil Cooler, Flat Plate, 5 x 20-80, 300 PSIG | 1 | | |
| | 990A0082H08 | Oil Cooler, Flat Plate, 5 x 20-90, 300 PSIG | 1 | | |
| | 990A0082H09 | Oil Cooler, Flat Plate, 5 x 20-100, 300 PSIG | 1 | | |
| -2 | 950A0292H03 | Valve, Angle, S.C., Stop, Needle, 1/2 MPT, Danfoss | 1 | | |
| -3 | 950A0282H01 | Valve, Temperature Regulating, 1" SW, 120°F, Hansen | 1 | | |
| | 950A0282H11 | Kit, Service, consisting of Thermostat and Gasket | 1 | | |

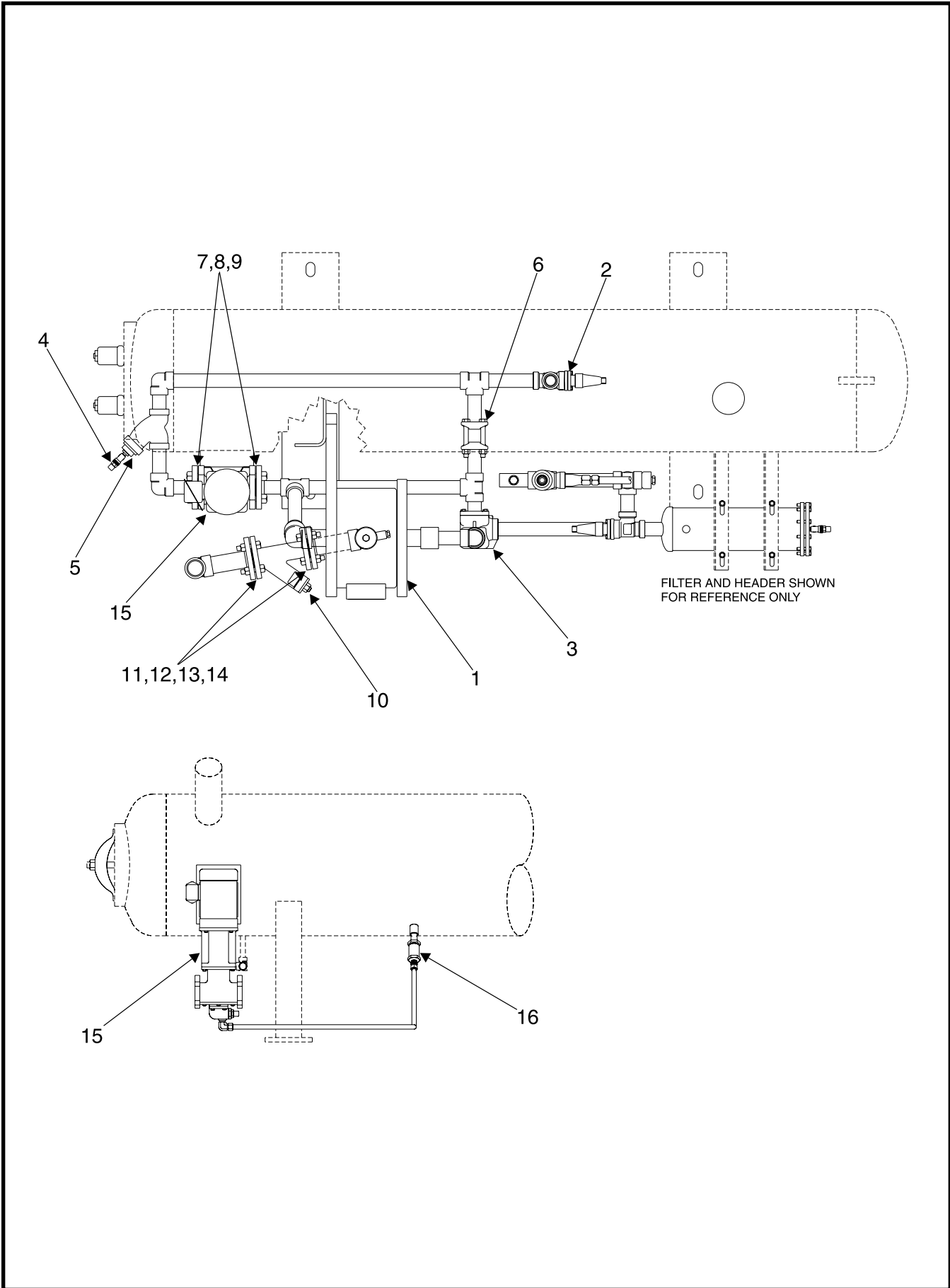


Figure 9. Plate Oil Cooler Piping, RXF 58-101.

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|-----------------------------------------------|----------------------------------------|------|------------|
| 9- | 720D0400 | Piping, Plate WCOC, 58 & 68 | Ref. | A | |
| | 720D0401 | Piping, Plate WCOC w/Temp. Control Valve | Ref. | A | |
| | 720D0402 | Piping, Plate TSOC, 58 & 68 | Ref. | A | |
| | 720D0403 | Piping, Plate TSCOC w/Temp. Control Valve | Ref. | A | |
| | 720D0404 | Piping, Plate WCOC w/Pump, 58 & 68 | Ref. | B | |
| | 720D0405 | Piping, Plate WCOC w/TCV and Pump, 58 & 68 | Ref. | B | |
| | 720D0406 | Piping, Plate TSOC w/Pump, 58 & 68 | Ref. | B | |
| | 720D0407 | Piping, Plate TSOC w/TCV and Pump, 58 & 68 | Ref. | B | |
| | 720D0387 | Piping, Plate WCOC, 85 & 101 | Ref. | B | |
| | 720D0388 | Piping, Plate WCOC w/Temp. Control Valve | Ref. | B | |
| | 720D0389 | Piping, Plate TSOC, 85 & 101 | Ref. | B | |
| | 720D0390 | Piping, Plate TSOC w/Temp. Control Valve | Ref. | B | |
| | 720D0391 | Piping, Plate WCOC w/Pump, 85 & 101 | Ref. | C | |
| | 720D0392 | Piping, Plate WCOC w/TCV and Pump, 85 & 101 | Ref. | C | |
| | 720D0393 | Piping, Plate TSOC w/Pump, 85 & 101 | Ref. | C | |
| | 720D0394 | Piping, Plate TSOC w/TCV and Pump, 85 & 101 | Ref. | C | |
| | 720D0410 | Piping, Oil Pump, 58 & 68 | Ref. | C | |
| | 720D0397 | Piping, Oil Pump, 85 & 101 | Ref. | B | |
| | -1 | 547D0723G01 | Assembly, Oil Cooler, 66 Plate, 2 Pass | 1 | |
| 547D0724G01 | | Assembly, Oil Cooler, 116 Plate, 2 Pass | 1 | | |
| -2 | 950A0233H05 | Valve, Angle, 1-1/2" SW, SC, Danfoss | 1 | | |
| | 950A0232H22 | Spare Parts Kit, Complete, less stem, 1-1/2" | 1 | | |
| | 950A0232H42 | Spare Parts Kit, Cone, 1-1/2" | 1 | | |
| | 950A0232H32 | Spare Parts Kit, Packing Gland, 1-1/2" | 1 | | |
| | 950A0233H52 | Spare Parts Kit, Cap & Bonnet, 1-1/2" | 1 | | |
| | 950A0233H62 | Spare Parts Kit, Seal Cap & Gasket, 1-1/2" | 1 | | |
| -3 | 950A0195H01 | Valve, Temperature Control, Hansen, 1-1/2" SW | 1 | | TCV |
| | 950A0195H11 | Thermostat and Gasket Kit, Hansen | 1 | | |
| | 950A0195H03 | Valve, Temperature Control, FPE, 1-1/2" SW | 1 | | |
| | 950A0195H12 | Element, Lip Seal, & Housing Seal Kit, FPE | 1 | | |
| -4 | 950A0292H01 | Valve, Angle, S.C., Stop, Needle, 1/4 | 1 | | |
| -5 | 950A0069H07 | Strainer, Y-type, 1-1/2" SW | 1 | | |
| | 950A0068H25 | Gasket, Strainer | 1 | | |
| | 950A0069H37 | Screen, Strainer | 1 | | |
| -6 | 956A0012G03 | Valve, Check, 1-1/2" | 1 | | |
| -7 | 944A0108H05 | Flange, 1-1/2" 300PSI | 2 | | |
| -8 | 959A0054H25 | Gasket, 1-1/2" 300PSI | 2 | | |
| -9 | 901A0172H03 | Flange Bolt Kit, 1-1/2" | 2 | | |
| -10 | 950A0075H06 | Strainer, Y-type, 2" Flanged | 1 | | |
| | 950A0075H26 | Screen, Strainer, 2" | 1 | | |
| | 950A0075H46 | Gasket, Strainer, 2" | 1 | | |
| | 950A0075H08 | Strainer, Y-type, 3" Flanged | 1 | | |
| | 950A0075H28 | Screen, Strainer, 3" | 1 | | |
| | 950A0075H48 | Gasket, Strainer, 3" | 1 | | |

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|---------------------------------------------------|------|------|------------|
| 9- | - | Piping, Plate WCOC, Continued | Ref. | | |
| -11 | 944A0126H06 | Flange, 3" - 150#, ANSI, RFSW | 2 | | |
| | 944A0126H08 | Flange, 2" - 150#, ANSI, RFSW | 2 | | |
| -12 | 959A0054H06 | Gasket, 2" - 150#, Flange | 2 | | |
| | 959A0054H08 | Gasket, 3" - 150#, Flange | 2 | | |
| -13 | 901A0046D08 | Capscrew, Hex Head, 5/8 NC x 2-3/4" GR. 5 | 8 | | |
| | 901A0046D09 | Capscrew, Hex Head, 5/8 NC x 3" GR. 5 | 8 | | |
| -14 | 902A0021H03 | Nut, 5/8-11 NC | 8 | | |
| -15 | 960A0082G01 | Assbly, Pump, 1HP, 208/230/460-3-60, 190/180-3-50 | 1 | | |
| | 960A0082G02 | Assbly, Pump, 1HP, 575-3-60 | 1 | | |
| | 960A0082G03 | Assbly, Pump, 1HP, 415-3-50 | 1 | | |
| | 960A0082H01 | Pump only | 1 | | |
| | 960A0076H41 | Shaft Seal Kit, Pump | 1 | | |
| | 914A0015H01 | Motor, 1HP, 208/230/460-3-60, 190/180-3-50 | 1 | | |
| | 914A0015H06 | Motor, 1HP, 575-3-60 | 1 | | |
| | 914A0015H05 | Motor, 1HP, 415-3-50 | 1 | | |
| | 960A0066H11 | Coupling Assembly only | 1 | | |
| | 960A0066H20 | C-Face Flange | 1 | | |
| -16 | 956A0014H01 | Valve, Check, 3/4" NPT | 1 | | |

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| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|---------------------------------------------------|--------------------------------------------------------------------|------|------|------------|
| 10- | 535D0336 | 19/23 GPM Full Lube Pump, RXF 24-50 | Ref. | F | |
| | 535D0337 | 19/23 GPM Cycling Full Lube, RXF 24-50 | Ref. | F | |
| | 535D0338 | 9/11 GPM Full Lube Pump, RXF 12-50 | Ref. | F | |
| | 535D0339 | 9/11 GPM Cycling Full Lube, RXF 12-50 | Ref. | F | |
| | 535D0340 | 5/6 GPM Full Lube Pump, RXF 12-19 | Ref. | F | |
| | 535D0341 | 5/6 GPM Cycling Full Lube, RXF 12-19 | Ref. | F | |
| -1 | 960A0043H03 | Assembly, Pump & Motor, 220/460VAC, 60 Hz, 5/6 GPM ⁽¹⁾ | 1 | | |
| | 914A0057H02 | Motor, 220/460VAC, 60 Hz ⁽¹⁾ | 1 | | |
| | 960A0043H20 | Pump, New, 5/6 GPM | 1 | | |
| | 960A0043H53 | Pump, Remanufactured, 5/6 GPM | 1 | | |
| | 960A0043H51 | Seal, Shaft | 1 | | |
| | 960A0043H11 | Coupling | 1 | | |
| | 960A0043H04 | Assembly, Pump & Motor, 575VAC, 60 Hz, 5/6 GPM | 1 | | |
| | 914A0057H01 | Motor, 575VAC, 60 Hz | 1 | | |
| | 960A0043H20 | Pump, New, 5/6 GPM | 1 | | |
| | 960A0043H53 | Pump, Remanufactured, 5/6 GPM | 1 | | |
| | 960A0043H51 | Seal, Shaft | 1 | | |
| | 960A0043H11 | Coupling | 1 | | |
| | 960A0043H06 | Assembly, Pump & Motor, 415VAC, 50 Hz, 5/6 GPM | 1 | | |
| | 914A0057H02 | Motor, 415VAC, 50 Hz | 1 | | |
| | 960A0043H20 | Pump, New, 5/6 GPM | 1 | | |
| | 960A0043H53 | Pump, Remanufactured, 5/6 GPM | 1 | | |
| | 960A0043H51 | Seal, Shaft | 1 | | |
| | 960A0043H11 | Coupling | 1 | | |
| | 960A0075G01 | Assembly, Pump & Motor, 220/460VAC, 60 Hz, 9/11 GPM ⁽²⁾ | 1 | | |
| | 914A0015H01 | Motor, 220/460VAC, 60 Hz ⁽²⁾ | 1 | | |
| | 960A0075H01 | Pump, 9/11 GPM | 1 | | |
| | 960A0075H51 | Pump, Remanufactured, 9/11 GPM | 1 | | |
| | 960A0075H41 | Seal, Shaft | 1 | | |
| | 960A0068H11 | Coupling | 1 | | |
| | 960A0075G03 | Assembly, Pump & Motor, 415VAC, 50 Hz, 9/11 GPM | 1 | | |
| | 914A0015H05 | Motor, 415VAC, 50 Hz | 1 | | |
| | 960A0075H01 | Pump, 9/11 GPM | 1 | | |
| | 960A0075H51 | Pump, Remanufactured, 9/11 GPM | 1 | | |
| | 960A0075H41 | Seal, Shaft | 1 | | |
| | 960A0068H11 | Coupling | 1 | | |
| | 960A0075G04 | Assembly, Pump & Motor, 575VAC, 60 Hz, 9/11 GPM | 1 | | |
| | 914A0015H06 | Motor, 575VAC, 60 Hz | 1 | | |
| | 960A0075H01 | Pump, 9/11 GPM | 1 | | |
| | 960A0075H51 | Pump, Remanufactured, 9/11 GPM | 1 | | |
| | 960A0075H41 | Seal, Shaft | 1 | | |
| | 960A0068H11 | Coupling | 1 | | |
| 960A0076G01 | Assembly, Pump & Motor, 220/460VAC, 60 Hz, 23 GPM | 1 | | | |
| 914A0015H02 | Motor, 220/460VAC, 60 Hz | 1 | | | |
| 960A0076H01 | Pump, 23 GPM | 1 | | | |
| 960A0076H51 | Pump, Remanufactured, 23 GPM | 1 | | | |
| 960A0076H41 | Seal, Shaft ⁽³⁾ | 1 | | | |
| 960A0066H11 | Coupling | 1 | | | |

(1) or 190/380VAC, 50 Hz, 5 GPM.

(2) or 190/380VAC, 50 Hz, 9 GPM.

(3) plus 980A0012B66 O-ring, Head Gasket.

RXF ROTARY SCREW COMPRESSOR UNIT
SERVICE PARTS LIST



| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|---------------------------------------------------|------|------|------------|
| | 960A0076G05 | Assembly, Pump & Motor, 190/380VAC, 50 Hz, 19 GPM | 1 | | |
| | 914A0015H02 | Motor, 190/380VAC, 50 Hz | 1 | | |
| | 960A0076H01 | Pump, 19 GPM | 1 | | |
| | 960A0076H51 | Pump, Remanufactured, 19 GPM | 1 | | |
| | 960A0076H41 | Seal, Shaft ⁽³⁾ | 1 | | |
| | 960A0066H11 | Coupling | 1 | | |
| | 960A0076G07 | Assembly, Pump & Motor, 575VAC, 60 Hz, 19 GPM | 1 | | |
| | 914A0015H08 | Motor, 575VAC, 60 Hz | 1 | | |
| | 960A0076H01 | Pump, 19 GPM | 1 | | |
| | 960A0076H51 | Pump, Remanufactured, 19 GPM | 1 | | |
| | 960A0076H41 | Seal, Shaft ⁽³⁾ | 1 | | |
| | 960A0066H11 | Coupling | 1 | | |
| | 960A0076G08 | Assembly, Pump & Motor, 415VAC, 50 Hz, 19 GPM | 1 | | |
| | 914A0015H07 | Motor, 415VAC, 50 Hz | 1 | | |
| | 960A0076H01 | Pump, 19 GPM | 1 | | |
| | 960A0076H51 | Pump, Remanufactured, 23 GPM | 1 | | |
| | 960A0076H41 | Seal, Shaft ⁽³⁾ | 1 | | |
| | 960A0066H11 | Coupling | 1 | | |
| | 535M0197G01 | Relief Valve Service Kit | 1 | | |
| -2 | 959A0054H23 | Gasket, Flange, 1" | 2 | | |
| | 959A0054H25 | Gasket, Flange, 1 1/2" | 2 | | |
| -3 | 950A0069H04 | Strainer, 3/4", 5/6 GPM | 1 | | |
| | 950A0069H22 | Gasket, Strainer | 1 | | |
| | 950A0069H34 | Screen, Strainer | 1 | | |
| | 950A0069H05 | Strainer, 1", 9/11 GPM | 1 | | |
| | 950A0069H23 | Gasket, Strainer | 1 | | |
| | 950A0069H35 | Screen, Strainer | 1 | | |
| | 950A0069H06 | Strainer, 1-1/4", 19/23 GPM | 1 | | |
| | 950A0069H24 | Gasket, Strainer | 1 | | |
| | 950A0069H36 | Screen, Strainer | 1 | | |
| -4 | 950A0233H03 | Valve, Angle, SC, 1" SW, RXF 24-50 (Danfoss) | 1 | | |
| | 950A0232H22 | Spare Parts Kit, Complete, less stem, 1" | 1 | | |
| | 950A0232H42 | Spare Parts Kit, Cone, 1" | 1 | | |
| | 950A0232H32 | Spare Parts Kit, Packing Gland, 1" | 1 | | |
| | 950A0233H52 | Spare Parts Kit, Cap & Bonnet, 1" | 1 | | |
| | 950A0233H62 | Spare Parts Kit, Seal Cap & Gasket, 1" | 1 | | |
| | 950A0237H03 | Valve, Angle, SC, 1" NPT, RXF 24-50 (Danfoss) | 1 | | |
| | 950A0232H22 | Spare Parts Kit, Complete, less stem, 1" | 1 | | |
| | 950A0232H42 | Spare Parts Kit, Cone, 1" | 1 | | |
| | 950A0232H32 | Spare Parts Kit, Packing Gland, 1" | 1 | | |
| | 950A0233H52 | Spare Parts Kit, Cap & Bonnet, 1" | 1 | | |
| | 950A0233H62 | Spare Parts Kit, Seal Cap & Gasket, 1" | 1 | | |
| | 950A0237H02 | Valve, Angle, SC, 3/4" NPT, RXF 12-19 (Danfoss) | 1 | | |
| | 950A0232H21 | Spare Parts Kit, Complete, less stem, 3/4" | 1 | | |
| | 950A0232H41 | Spare Parts Kit, Cone, 3/4" | 1 | | |
| | 950A0232H31 | Spare Parts Kit, Packing Gland, 3/4" | 1 | | |
| | 950A0233H51 | Spare Parts Kit, Cap & Bonnet, 3/4" | 1 | | |
| | 950A0233H61 | Spare Parts Kit, Seal Cap & Gasket, 3/4" | 1 | | |
| -5 | 950A0065H05 | Valve, Pressure Regulator | 1 | | |

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|-------------------------------------------------------------------------------------------------------------------|------|------|------------|
| -6 | 956A0024H03 | Valve, Check, 1" | 1 | | |
| | 959A0057H03 | Gasket, Flange, 1" Check Valve | 2 | | |
| -7 | 956A0012G08 | Valve, Check, 3/4", 5/6 GPM (Optional) | 1 | | |
| | 956A0012G07 | Valve, Check, 1", 11/23 GPM (Optional) | 1 | | |
| | 959A0057H03 | Gasket, Flange, 3/4" & 1" Check Valve | 2 | | |
| | | (1) or 190/380VAC, 50 Hz, 5 GPM. (2) or 190/380VAC, 50 Hz, 9 GPM. (3) plus 980A0012B66 O-ring, Head Gasket. | | | |

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|-------------------------------------------------|------|------|------------|
| 11- | 720M0275 | Liquid Injection, Solenoid Valve | Ref. | | |
| | 720M0276 | Liquid Injection, Single Port, Booster | Ref. | | |
| | 720M0277 | Liquid Injection, Dual Port | Ref. | | |
| | 720M0279 | Liquid Injection, Economizer | Ref. | | |
| -1 | 950A0245H01 | Valve, Globe, Seal Cap, 1/2" SW, Danfoss | 1 | | |
| | 950A0245H02 | Valve, Globe, Seal Cap, 3/4" SW, Danfoss | 1 | | |
| | 950A0245H03 | Valve, Globe, Seal Cap, 1", SW, Danfoss | 1 | | |
| | 950A0245H05 | Valve, Globe, Seal Cap, 1 1/2", SW, Danfoss | 1 | | |
| | 950A0232H21 | Kit, Complete Spare Parts, less stem, 1/2-3/4" | 1 | | |
| | 950A0232H22 | Kit, Complete Spare Parts, less stem, 1-1 1/2" | 1 | | |
| | 950A0232H41 | Kit, Cone Spare Parts, 1/2-3/4" | 1 | | |
| | 950A0232H42 | Kit, Cone Spare Parts, 1-1 1/2" | 1 | | |
| | 950A0232H31 | Kit, Packing Gland Assbly Spare Parts, 1/2-3/4" | 1 | | |
| | 950A0232H32 | Kit, Packing Gland Assbly Spare Parts, 1-1 1/2" | 1 | | |
| | 950A0233H51 | Kit, Cap & Bonnet Spare Parts, 1/2-3/4" | 1 | | |
| | 950A0233H52 | Kit, Cap & Bonnet Spare Parts, 1-1 1/2" | 1 | | |
| | 950A0233H61 | Kit, Seal Cap & Gasket Spare Parts, 1/2-3/4" | 1 | | |
| | 950A0233H62 | Kit, Seal Cap & Gasket Spare Parts, 1-2 1/2" | 1 | | |
| -2 | 950A0233H02 | Valve, Angle, Seal Cap, 3/4" SW, Danfoss | 1 | | |
| | 950A0233H03 | Valve, Angle, Seal Cap, 1" SW, Danfoss | 1 | | |
| | 950A0233H04 | Valve, Angle, Seal Cap, 1 1/4" SW, Danfoss | 1 | | |
| | 950A0232H21 | Kit, Complete Spare Parts, less stem, 1/2-3/4" | 1 | | |
| | 950A0232H22 | Kit, Complete Spare Parts, less stem, 1-1 1/2" | 1 | | |
| | 950A0232H41 | Kit, Cone Spare Parts, 1/2-3/4" | 1 | | |
| | 950A0232H42 | Kit, Cone Spare Parts, 1-1 1/2" | 1 | | |
| | 950A0232H31 | Kit, Packing Gland Assbly Spare Parts, 1/2-3/4" | 1 | | |
| | 950A0232H32 | Kit, Packing Gland Assbly Spare Parts, 1-1 1/2" | 1 | | |
| | 950A0233H51 | Kit, Cap & Bonnet Spare Parts, 1/2-3/4" | 1 | | |
| | 950A0233H52 | Kit, Cap & Bonnet Spare Parts, 1-1 1/2" | 1 | | |
| | 950A0233H61 | Kit, Seal Cap & Gasket Spare Parts, 1/2-3/4" | 1 | | |
| | 950A0233H62 | Kit, Seal Cap & Gasket Spare Parts, 1-2 1/2" | 1 | | |
| -3 | 950A0289G01 | Kit, Liquid Injection Solenoid Valve, 1/2" | Ref. | | |
| | 950A0289H01 | Flange, Male, 1/2" SW (set of 2) | 1 | | |
| | 950A0290H25 | Gasket, Flange (set of 2) | 1 | | |
| | 950A0290H01 | Strainer | 1 | | |
| | 950A0290H21 | Gasket, Strainer | 1 | | |
| | 951A0104H05 | Valve, Solenoid, less coil, Danfoss EVRAT10 | 1 | | |
| | 950A0293H01 | Coil, Solenoid, 240V, 60 Hz | 1 | | |
| | 950A0293H02 | Coil, Solenoid, 120V, 60 Hz | 1 | | |
| | 950A0293H03 | Coil, Solenoid, 24V, 60 Hz | 1 | | |
| | 950A0289H21 | Sight Glass | 1 | | |
| | 950A0289H31 | Bolt, Hex Head (set of 4) | 1 | | |
| | 950A0289G02 | Kit, Liquid Injection Solenoid Valve, 1/2" | Ref. | | |
| | 950A0289H01 | Flange, Male, 1/2" SW (set of 2) | 1 | | |
| | 950A0290H25 | Gasket, Flange (set of 2) | 1 | | |
| | 950A0290H01 | Strainer | 1 | | |
| | 950A0290H21 | Gasket, Strainer | 1 | | |
| | 951A0104H01 | Valve, Solenoid, less coil, Danfoss EVRA15 | 1 | | |
| | 950A0293H01 | Coil, Solenoid, 240V, 60 Hz | 1 | | |
| | 950A0293H02 | Coil, Solenoid, 120V, 60 Hz | 1 | | |
| | 950A0293H03 | Coil, Solenoid, 24V, 60 Hz | 1 | | |
| | 950A0289H21 | Sight Glass | 1 | | |

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|----------------------------------------------------------|------|------|------------|
| 11-3 | - | Kit, Liquid Injection Solenoid Valve (Continued) | Ref. | | |
| | 950A0289H31 | Bolt, Hex Head (set of 4) | 1 | | |
| | 950A0289G03 | Kit, Liquid Injection Solenoid Valve, 3/4" | Ref. | | |
| | 950A0289H02 | Flange, Male, 3/4" SW (set of 2) | 1 | | |
| | 950A0290H26 | Gasket, Flange (set of 2) | 1 | | |
| | 950A0290H02 | Strainer | 1 | | |
| | 950A0290H22 | Gasket, Strainer | 1 | | |
| | 951A0104H02 | Valve, Solenoid, less coil, Danfoss EVRA20 | 1 | | |
| | 950A0293H01 | Coil, Solenoid, 240V, 60 Hz | 1 | | |
| | 950A0293H02 | Coil, Solenoid, 120V, 60 Hz | 1 | | |
| | 950A0293H03 | Coil, Solenoid, 24V, 60 Hz | 1 | | |
| | 950A0289H22 | Sight Glass | 1 | | |
| | 950A0289H32 | Bolt, Hex Head (set of 2) | 1 | | |
| | 950A0289H33 | Bolt, Hex Head (set of 2) | 1 | | |
| | 950A0289G04 | Kit, Liquid Injection Solenoid Valve, 1" | Ref. | | |
| | 950A0291H01 | Strainer, 1" SW | 1 | | |
| | 950A0291H21 | Screen, 100 Mesh | 1 | | |
| | 950A0289H03 | Flange, Male, 1" SW (set of 2) | 1 | | |
| | 950A0290H26 | Gasket, Flange (set of 2) | 1 | | |
| | 951A0106H01 | Valve, Solenoid less coil, Danfoss EVRA25 | 1 | | |
| | 950A0293H01 | Coil, Solenoid, 240V, 60 Hz | 1 | | |
| | 950A0293H02 | Coil, Solenoid, 120V, 60 Hz | 1 | | |
| | 950A0293H03 | Coil, Solenoid, 24V, 60 Hz | 1 | | |
| | 950A0289H22 | Sight Glass, 1" SW | 1 | | |
| | 950A0289H32 | Bolt, Hex Head (set of 2) | 1 | | |
| | 950A0289H33 | Bolt, Hex Head (set of 2) | 1 | | |
| | 950A0289G05 | Kit, Liquid Injection, Solenoid Valve, 1 1/2" | Ref. | | |
| | 950A0291H02 | Strainer, 1 1/2" BW | 1 | | |
| | 950A0291H21 | Screen, 100 Mesh | 1 | | |
| | 951A0107H01 | Valve, Solenoid, 1 1/2" BW, less coil, Danfoss EVRA32* | 1 | | |
| | 950A0293H01 | Coil, Solenoid, 240V, 60 Hz | 1 | | |
| | 950A0293H02 | Coil, Solenoid, 120V, 60 Hz | 1 | | |
| | 950A0293H03 | Coil, Solenoid, 24V, 60 Hz | 1 | | |
| | 950A0289H23 | Sight Glass, 1 1/2" BW | 1 | | |
| | 950A0289H11 | Gasket Kit (set of 2) | 1 | | |
| -4 | 950A0292H01 | Valve, Angle, SC, Stop, Needle, 1/4" MPT x 1/4" FPT | 1 | | |
| -5 | 951A0053H01 | Valve, 3-Way, Solenoid | 1 | | |
| | 951A0054H01 | Coil, 120V, 60 Hz (AP100-1-17-31) | 1 | | |
| | 951A0054H02 | Coil, 120V, 60 Hz (AP100-1-17-31EP) | 1 | | |
| | 951A0054H03 | Coil, 240V, 60 Hz (AP100-1-17-32) | 1 | | |
| | 951A0054H04 | Coil, 240V, 60 Hz (AP100-1-17-32EP) | 1 | | |
| | 951A0053G21 | Kit, Consisting of valve, less coil, & 944A0117H01 ftgs. | 1 | | |
| -6 | 954A0070H01 | Assembly, Valve, Motor, Danfoss ICM 20A, 3/4" SW, R-717 | 1 | | |
| | 954A0070H02 | Assembly, Valve, Motor, Danfoss ICM 20B, 3/4" SW, R-717 | 1 | | |
| | 954A0070H03 | Assembly, Valve, Motor, Danfoss ICM 20C, 3/4" SW, R-717 | 1 | | |
| | 954A0070H11 | Valve only, ICM 20A | 1 | | |
| | 954A0070H12 | Valve only, ICM 20B | 1 | | |
| | 954A0070H13 | Valve only, ICM 20C | 1 | | |
| | 954A0070H14 | Top Cover, Function Module ICM 20A | 1 | | |
| | 954A0070H15 | Top Cover, Function Module ICM 20B | 1 | | |

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|-----------------------------------------------------------|------|------|------------|
| | 954A0070H16 | Top Cover, Function Module ICM 20C | 1 | | |
| | 954A0070H17 | Disassembly Kit | 1 | | |
| | 954A0070H18 | Calibration Tool | 1 | | |
| | 954A0070H19 | Motor, Actuator ICAD 600 | 1 | | |
| | 954A0071H01 | Assembly, Valve, Motor, Danfoss ICM 25A, 1" SW, R-717 | 1 | | |
| | 954A0071H11 | Valve only, ICM 25A | 1 | | |
| | 954A0071H12 | Top Cover, Function Module ICM 25A | 1 | | |
| | 954A0071H13 | Disassembly Kit | 1 | | |
| | 954A0070H18 | Calibration Tool | 1 | | |
| | 954A0070H19 | Motor, Actuator ICAD 600 | 1 | | |
| | 954A0072H01 | Assembly, Valve, Motor, Danfoss ICM 32A, 1 1/4" SW, R-717 | 1 | | |
| | 954A0072H11 | Valve only, ICM 32A | 1 | | |
| | 954A0072H12 | Top Cover, Function Module ICM 32A | 1 | | |
| | 954A0072H13 | Disassembly Kit | 1 | | |
| | 954A0070H18 | Calibration Tool | 1 | | |
| | 954A0070H19 | Motor, Actuator ICAD 600 | 1 | | |
| | 954A0064H01 | Assembly, Valve, Motor, Hansen HMXV/A, 1/2" SW | 1 | | |
| | 954A0064H11 | Gasket, 1/2" | 2 | | |
| | 954A0064H12 | Flange, 1/2" | 2 | | |
| | 954A0065H01 | Assembly, Valve, Motor, Hansen HMMR, 3/4" SW | 1 | | |
| | 954A0065H11 | Gasket, 3/4" | 2 | | |
| | 954A0065H12 | Flange, 3/4" | 2 | | |
| | 954A0066H01 | Assembly, Valve, Motor, Hansen HMMR, 1" SW | 1 | | |
| | 954A0065H11 | Gasket, 1" | 2 | | |
| | 954A0066H11 | Flange, 1" | 2 | | |
| | 954A0067H01 | Assembly, Valve, Motor, Hansen HMMR, 1 1/4" SW | 1 | | |
| | 954A0065H11 | Gasket, 1 1/4" | 2 | | |
| | 954A0067H11 | Flange, 1 1/4" | 2 | | |
| | 954A0068H01 | Assembly, Valve, Motor, Hansen HMMR, 1 1/2" SW | 1 | | |
| | 954A0068H11 | Gasket, 1 1/2" | 2 | | |
| | 954A0068H12 | Flange, 1 1/2" | 2 | | |

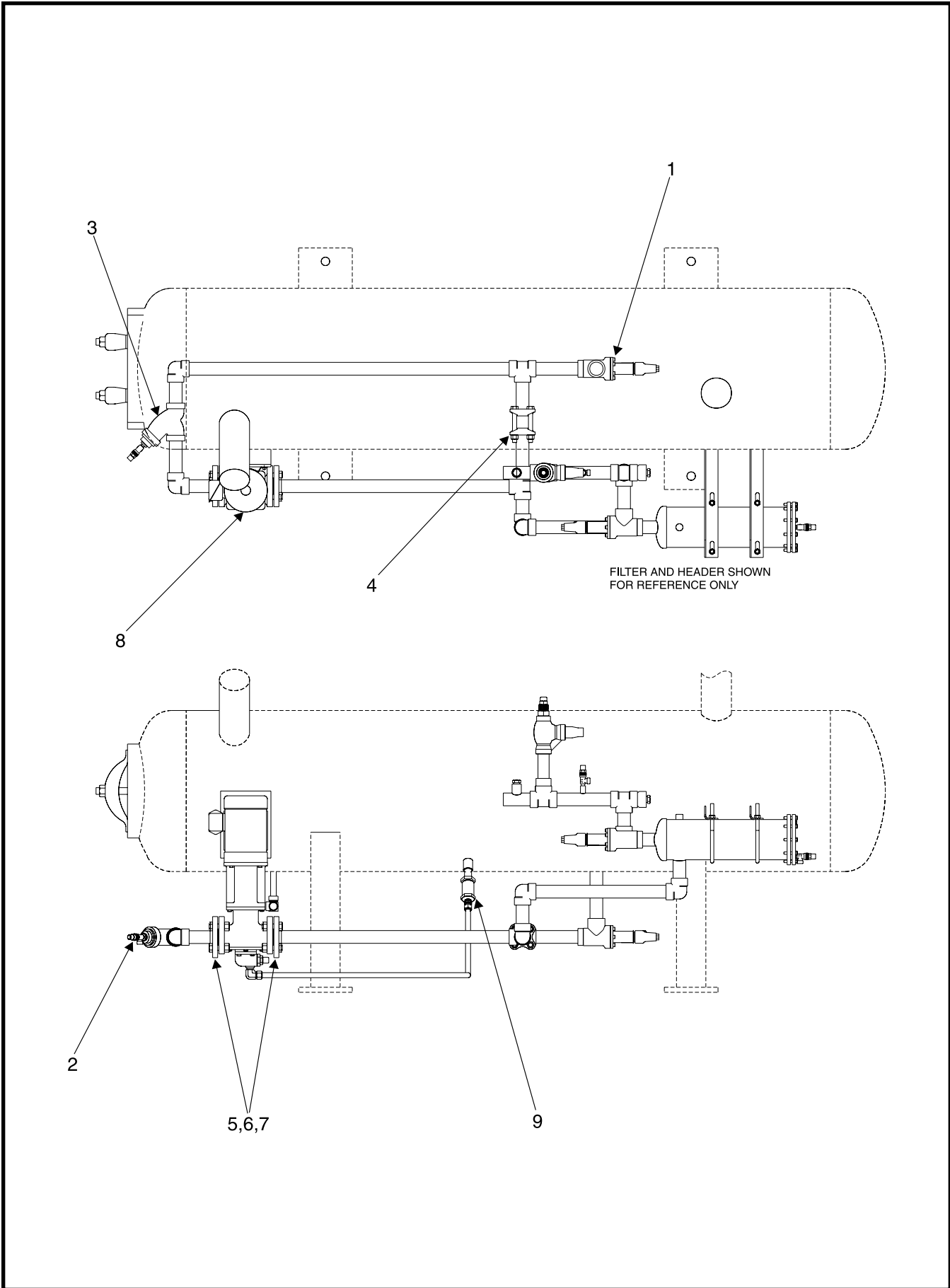


Figure 12. Piping, Pump & Liquid Injection, RXF 58-101.

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|---------------------------------------------------|------|------|------------|
| 12- | 720D0411 | Liquid Injection, 58 & 68 | Ref. | A | |
| | 720D0412 | Liquid Injection w/Pump, 58 & 68 | Ref. | B | |
| | 720D0398 | Liquid Injection, 85 & 101 | Ref. | B | |
| | 720D0399 | Liquid Injection w/Pump, 85 & 101 | Ref. | C | |
| -1 | 950A0233H05 | Valve, Angle, SC, 1-1/2" SW, Danfoss | 1 | | |
| | 950A0232H22 | Spare Parts Kit, Complete, less stem, 1-1/2" | 1 | | |
| | 950A0232H42 | Spare Parts Kit, Cone, 1-1/2" | 1 | | |
| | 950A0232H32 | Spare Parts Kit, Packing Gland, 1-1/2" | 1 | | |
| | 950A0233H52 | Spare Parts Kit, Cap & Bonnet, 1-1/2" | 1 | | |
| | 950A0233H62 | Spare Parts Kit, Seal Cap & Gasket, 1-1/2" | 1 | | |
| -2 | 950A0292H01 | Valve, Angle, S.C., Stop, Needle, 1/4 | 1 | | |
| -3 | 950A0069H07 | Strainer, Y-type, 1-1/2" SW | 1 | | |
| | 950A0069H25 | Gasket, Strainer, 1-1/2" | 1 | | |
| | 950A0069H37 | Screen, Strainer, 1-1/2" | 1 | | |
| -4 | 956A0012G03 | Valve, Check, 1-1/2" SW | 1 | | |
| -5 | 944A0108H05 | Flange, 1-1/2" SW ANSI, 300# | 2 | | |
| -6 | 959A0054H25 | Gasket, 1-1/2" - 300# Flange | 2 | | |
| -7 | 901A0172H03 | Flange Bolt Kit, 1-1/2" - 300# ANSI | 2 | | |
| -8 | 960A0082G01 | Assbly, Pump, 1HP, 208/230/460-3-60, 190/180-3-50 | 1 | | |
| | 960A0082G02 | Assbly, Pump, 1HP, 575-3-60 | 1 | | |
| | 960A0082G03 | Assbly, Pump, 1HP, 415-3-50 | 1 | | |
| | 960A0082H01 | Pump only | 1 | | |
| | 960A0076H41 | Shaft Seal Kit, Pump | 1 | | |
| | 914A0015H01 | Motor, 1HP, 208/230/460-3-60, 190/180-3-50 | 1 | | |
| | 914A0015H06 | Motor, 1HP, 575-3-60 | 1 | | |
| | 914A0015H05 | Motor, 1HP, 415-3-50 | 1 | | |
| | 960A0066H11 | Coupling Assembly only | 1 | | |
| | 960A0066H20 | C-Face Flange | 1 | | |
| -9 | 956A0014H01 | Valve, Check, In-Line, 3/4" NPT | 1 | | |

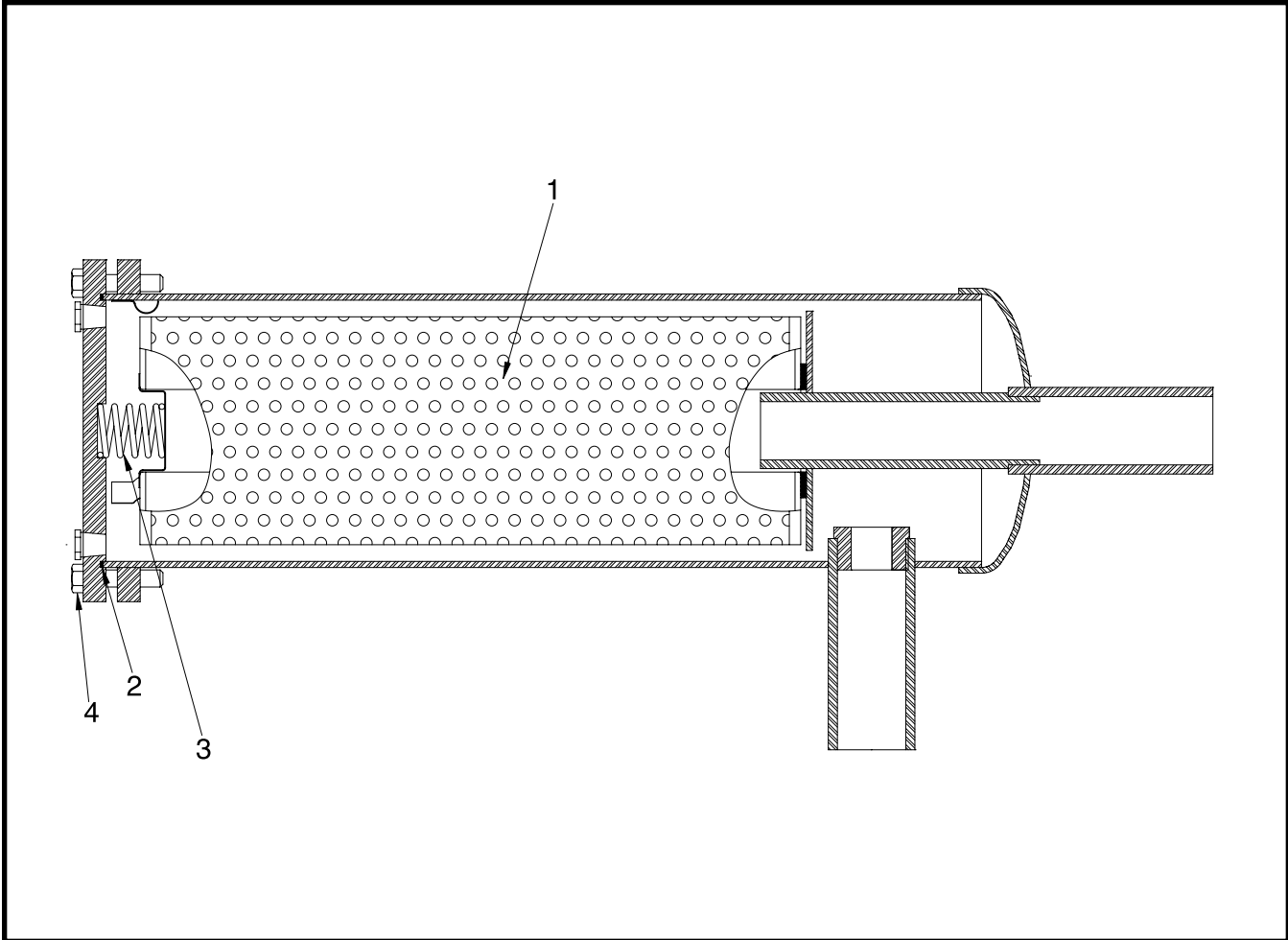




Figure 13. Oil Filter, Standard, RXF 58-101.

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|-----------------------------------------------------|------|------|------------|
| 13- | 535C0513H01 | Oil Filter Assembly ⁽³⁾ | Ref. | F | F-1 |
| -1 | 531A0224H02 | Element, Oil Filter, SuperFilter™ II ⁽¹⁾ | 1 | | |
| -2 | 959A0082H02 | Gasket | 1 | | |
| -3 | 535A0378H01 | Spring | 1 | | |
| -4 | - | Capscrew, 3/8 x 1-3/4 UNC ⁽²⁾ | 10 | | |

1. Required for 1-2-3 Warranty
 2. Torque Filter Cover Bolts in sequence to: fingertight; 17 ft lb; 35 ft lb
 3. There are two types of oil filter canisters used on Frick RXF 58 - 101 units. The most common type, shown above, has a round ten bolt cover plate which is sealed with a gasket. The oil filter part number is 531A0224H02 and the gasket part number is 959A0082H02. The second type, shown below left, has a square four bolt cover plate that is sealed with an O-ring. The part number for the oil filter is the same as above, 531A0224H02. The O-ring part number is DEE039100545T. This part number has been entered at Baltimore Parts. It is always a good idea to have a new gasket when changing the oil filter, the same goes for the O-ring. The gasket and O-ring must be ordered separately.



Oil Filter w/O-ring



Oil Filter w/Gasket

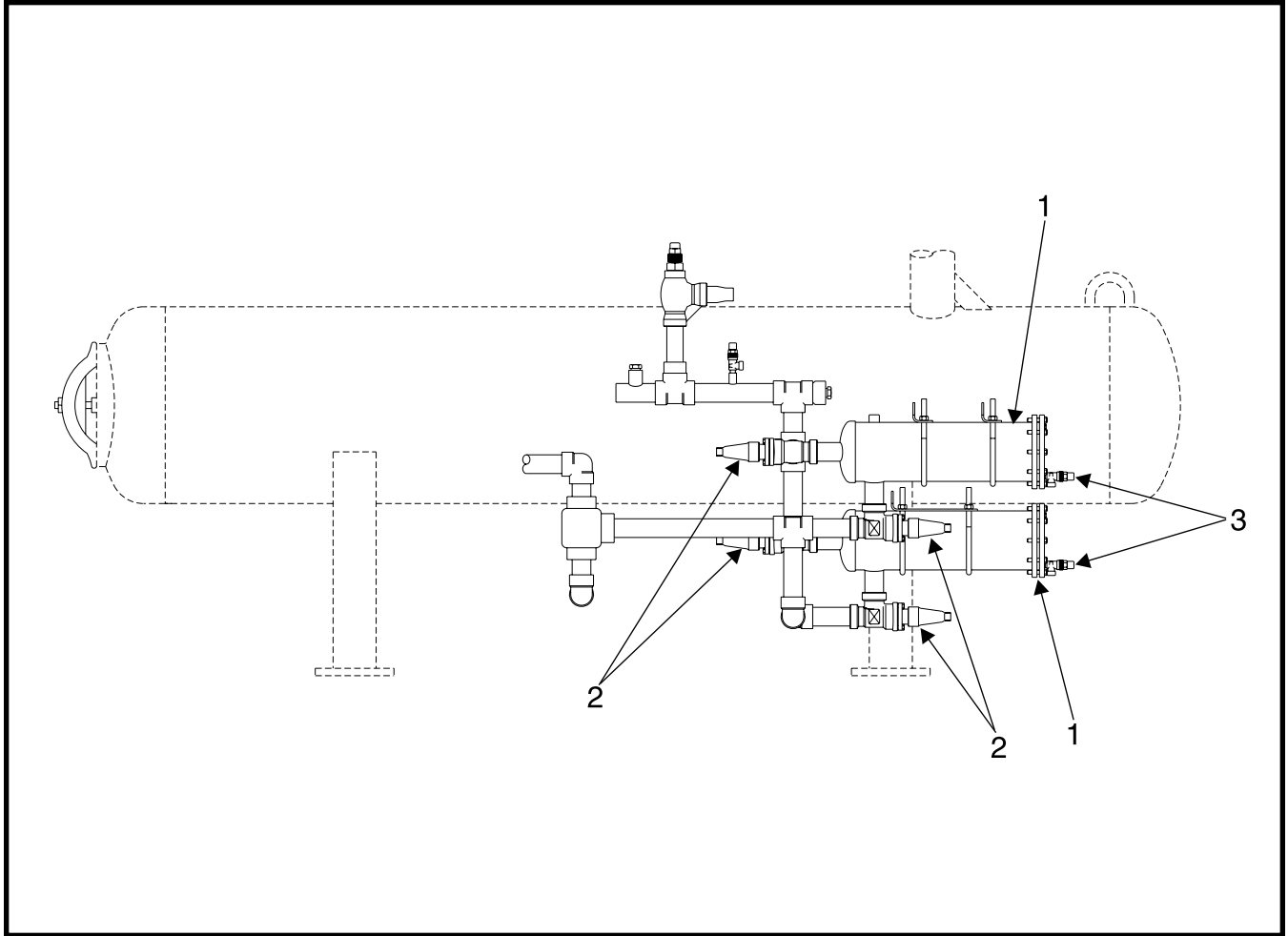


Figure 14. Dual Oil Filter, Typical, RXF 58–101.

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------|------------|
| 14– | 720D0408 720D0395 | Piping, Dual Oil Filter, 58 & 68 Piping, Dual Oil Filter, 85 & 101 | Ref. Ref. | E F | |
| –1 | 535C0513H01 | Filter Assembly, 6" (See Figure 13) | 2 | | |
| –2 | 950A0233H05 950A0232H22 950A0232H42 950A0232H32 950A0233H52 950A0233H62 | Valve, Angle, SC, 1-1/2" SW, Danfoss Spare Parts Kit, Complete, less stem, 1-1/2" Spare Parts Kit, Cone, 1-1/2" Spare Parts Kit, Packing Gland, 1-1/2" Spare Parts Kit, Cap & Bonnet, 1-1/2" Spare Parts Kit, Seal Cap & Gasket, 1-1/2" | 4 1 1 1 1 1 | | |
| –3 | 950A0292H01 | Valve, Angle, S.C., Stop, Needle, 1/4" | 3 | | |

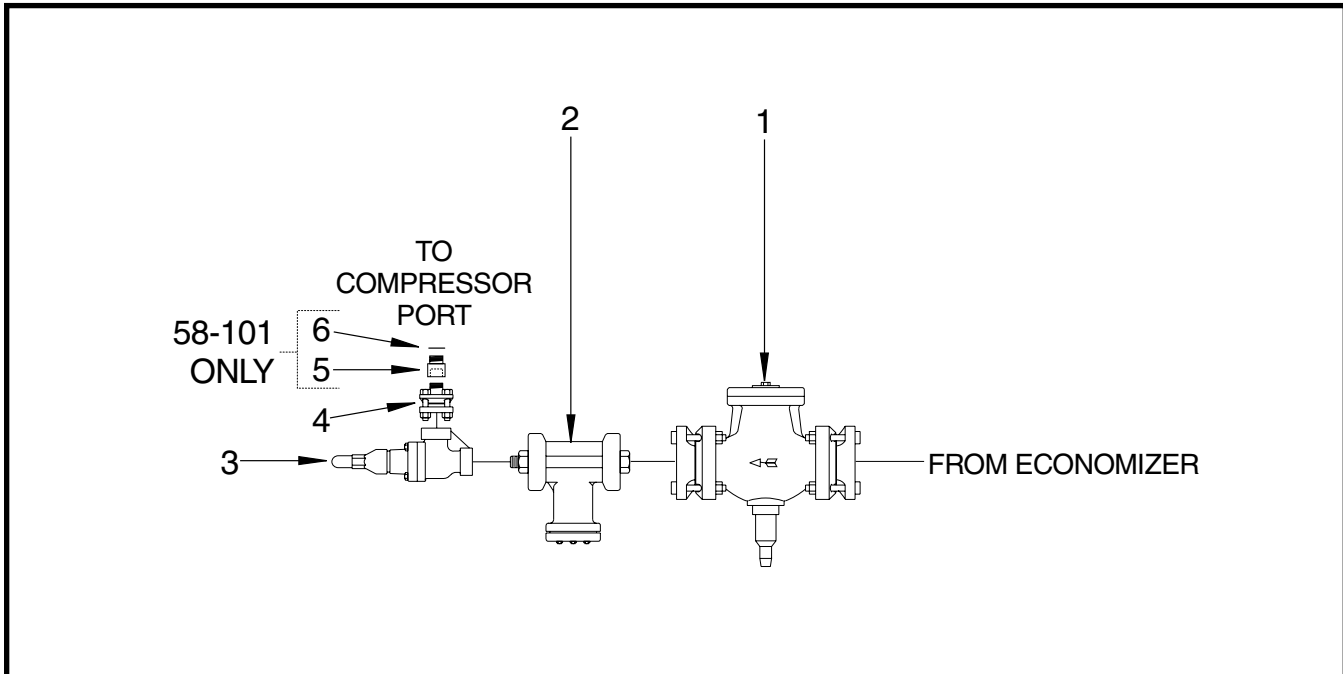


Figure 15. Economizer Kit, Typical.

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|------------------------------------------------------|------|------|------------|
| 15- | 535B0056 | Economizer Details | Ref. | F | |
| -1 | 956A0025H22 | Valve, Check, 1-1/4", RXF 12-68, R-22 | 1 | | |
| | 959A0057H04 | Gasket, Flange, 1-1/4" | 2 | | |
| | 956A0025H28 | Valve, Check, Modified, 1-1/4", RXF 12-68, R-717 | 1 | | |
| | 959A0057H04 | Gasket, Flange, 1-1/4" | 2 | | |
| | 956A0025H23 | Valve, Check, Modified, 1-5/8", RXF 85 & 101 | 1 | | |
| | 959A0057H05 | Gasket, Flange, 1-1/2" | 2 | | |
| -2 | 950A0001H05 | Strainer, 1-1/4", RXF 12-68 | 1 | | |
| | 950A0001H24 | Kit, Screen, Spring, & Gasket | 1 | | |
| | 959A0057H04 | Gasket, Flange, 1-1/4" | 2 | | |
| | 950A0001H06 | Strainer, 2", RXF 85 & 101 | 1 | | |
| | 950A0001H25 | Kit, Screen, Spring, & Gasket | 1 | | |
| | 959A0057H07 | Gasket, Flange, 2" | 2 | | |
| | 950A0001H08 | Strainer, 1-1/2", RXF 85 & 101 | 1 | | |
| | 950A0001H27 | Kit, Screen, Spring, & Gasket | 1 | | |
| | 959A0057H05 | Gasket, Flange, 1-1/2" | 2 | | |
| -3 | 950A0233H04 | Valve, Angle, SC, SW, 1-1/4", Danfoss | 1 | | |
| | 950A0233H05 | Valve, Angle, SC, SW, 1-1/2", Danfoss | 1 | | |
| | 950A0232H22 | Spare Parts Kit, Complete, less stem, 1-1/4 & 1-1/2" | 1 | | |
| | 950A0232H42 | Spare Parts Kit, Cone, 1-1/4 & 1-1/2" | 1 | | |
| | 950A0232H32 | Spare Parts Kit, Packing Gland, 1-1/4 & 1-1/2" | 1 | | |
| | 950A0233H52 | Spare Parts Kit, Cap & Bonnet, 1-1/4 & 1-1/2" | 1 | | |
| | 950A0233H62 | Spare Parts Kit, Seal Cap & Gasket, 1-1/4 & 1-1/2" | 1 | | |
| -4 | 944A0360G10 | Flange, Union, SW, 1-1/4" | 1 | | |
| | 959A0057H04 | Gasket, 1-1/4" | 2 | | |
| | 944A0360G11 | Flange, Union, SW, 1-1/2" | 1 | | |
| | 959A0057H05 | Gasket, 1-1/2" | 2 | | |
| -5 | 944A0246H19 | Adapter, 1-1/2 NPTF to 1-7/8 UNF | 1 | | |
| -6 | 980A0012K72 | O-Ring | 1 | | |

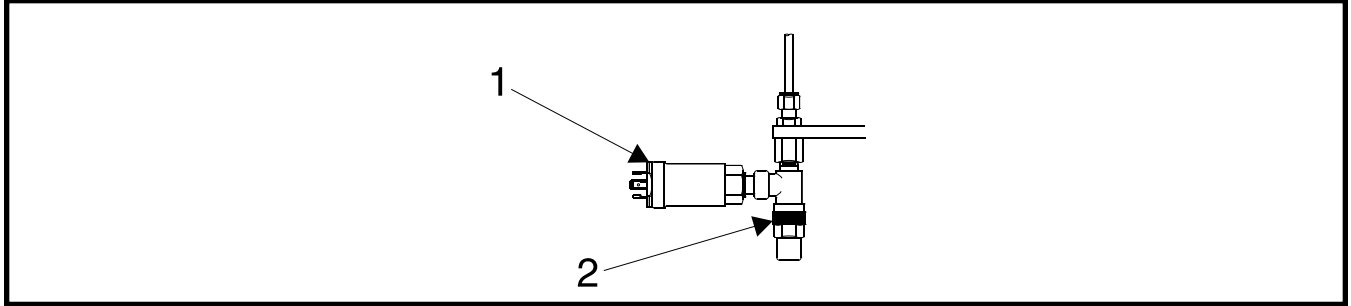
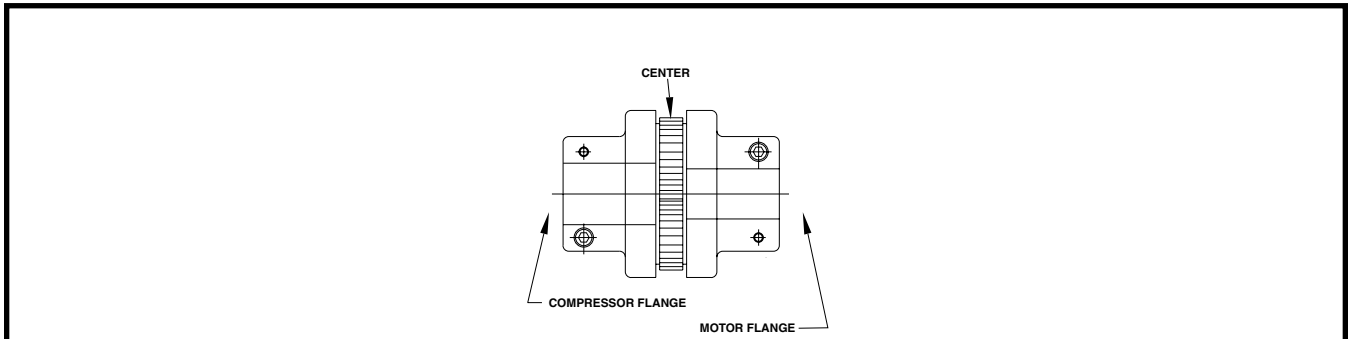


Figure 16. Transducer Piping Assembly.

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-----------------------------------------------------------------------------|---------------------------------------|------|------|------------|
| 16- | - | Transducer Piping Assembly | Ref. | | |
| -1 | 913A0146H01 | Transducer, 0 - 200 PSIA* | 3 | | |
| | 913A0146H02 | Transducer, 0 - 500 PSIA* | 3 | | |
| | * Plus 649D4864H01 Replacement Cable for older units without DIN connector. | | | | |
| -2 | 950A0292H01 | Valve, Angle, S.C., Stop, Needle, 1/4 | 3 | | |



| MODEL | SIZE | COMPRESSOR FLANGE | | CENTER | MOTOR FLANGE | |
|--------|------|-------------------|-------|-------------|--------------|-------|
| | | PART NO. | BORE | | PART NO. | BORE |
| 12-19 | 6C | 930A0093H73 | 1.378 | 930A0093H61 | 930A0093H80 | 1.375 |
| 12-19 | 6C | 930A0093H73 | 1.378 | 930A0093H61 | 930A0093H72 | 1.625 |
| 12-19 | 6C | 930A0093H73 | 1.378 | 930A0093H61 | 930A0093H63 | 1.875 |
| 12-19 | 7C | 930A0093H67 | 1.378 | 930A0093H58 | 930A0093H60 | 1.875 |
| 12-19 | 7C | 930A0093H67 | 1.378 | 930A0093H58 | 930A0093H96 | 1.625 |
| 12-19 | 8C | 930A0093H69 | 1.378 | 930A0093H01 | 930A0093H53 | 2.375 |
| 12-19 | 8C | 930A0093H69 | 1.378 | 930A0093H01 | 930A0093H03 | 1.875 |
| 12-19 | 8C | 930A0093H69 | 1.378 | 930A0093H01 | 930A0093H04 | 2.125 |
| 24-50 | 6C | 930A0093H62 | 1.575 | 930A0093H61 | 930A0093H63 | 1.875 |
| 24-50 | 6C | 930A0093H62 | 1.575 | 930A0093H61 | 930A0093H72 | 1.625 |
| 24-50 | 6C | 930A0093H62 | 1.575 | 930A0093H61 | 930A0093H83 | 1.125 |
| 24-50 | 7C | 930A0093H59 | 1.575 | 930A0093H58 | 930A0093H60 | 1.875 |
| 24-50 | 7C | 930A0093H59 | 1.575 | 930A0093H58 | 930A0093H82 | 1.375 |
| 24-50 | 8C | 930A0093H54 | 1.575 | 930A0093H01 | 930A0093H03 | 1.875 |
| 24-50 | 8C | 930A0093H54 | 1.575 | 930A0093H01 | 930A0093H04 | 2.125 |
| 24-50 | 8C | 930A0093H54 | 1.575 | 930A0093H01 | 930A0093H53 | 2.375 |
| 24-50 | 8C | 930A0093H54 | 1.575 | 930A0093H01 | 930A0093H77 | 2.165 |
| 24-50 | 8C | 930A0093H54 | 1.575 | 930A0093H01 | 930A0093H92 | 2.362 |
| 58-101 | 8C | 930A0093H39 | 2.000 | 930A0093H01 | 930A0093H03 | 1.875 |
| 58-101 | 8C | 930A0093H39 | 2.000 | 930A0093H01 | 930A0093H04 | 2.125 |
| 58-101 | 8C | 930A0093H39 | 2.000 | 930A0093H01 | 930A0093H53 | 2.375 |
| 58-101 | 9C | 930A0093H37 | 2.000 | 930A0093H05 | 930A0093H09 | 2.375 |
| 58-101 | 10C | 930A0120H01 | 2.000 | 930A0093H11 | 930A0120H02 | 2.375 |

Figure 17. Drive Coupling.

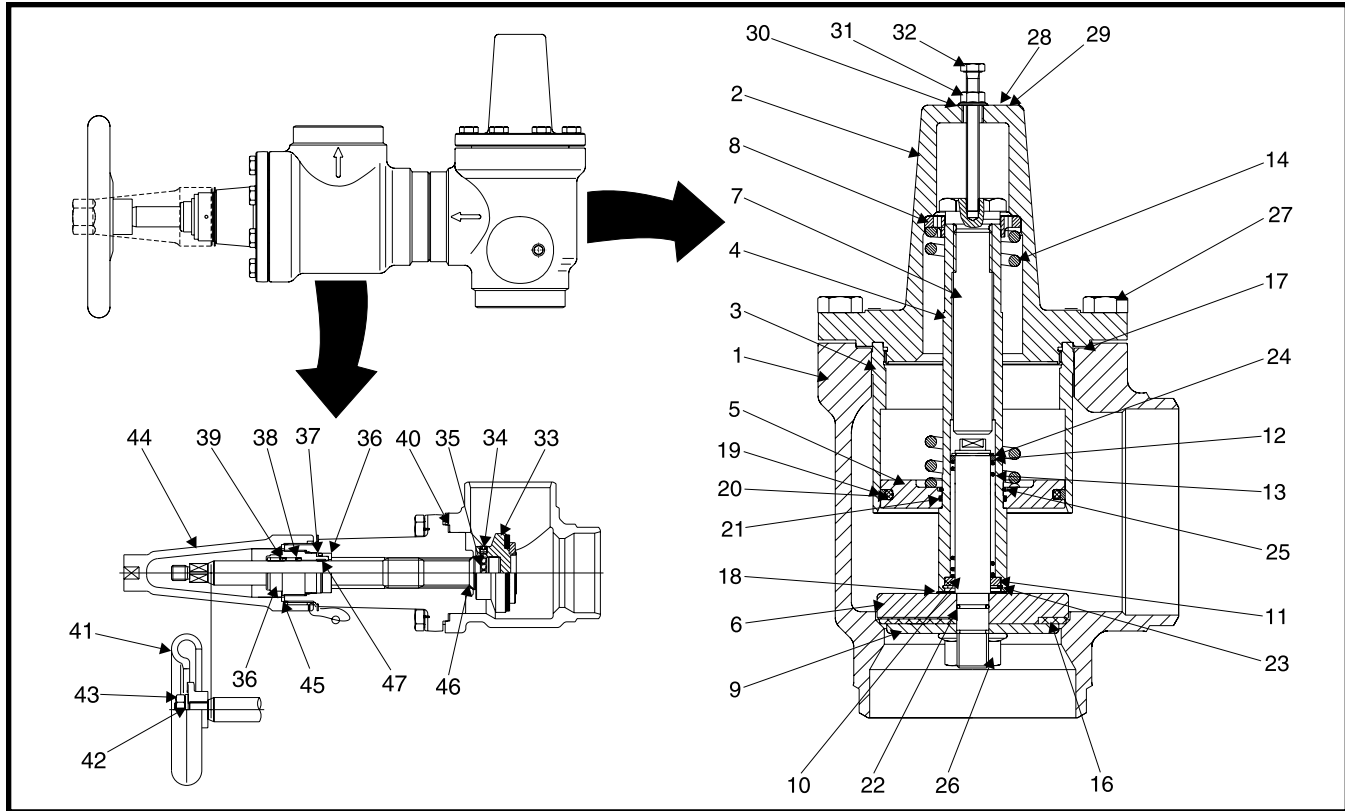


Figure 18. 2 1/2-4" Discharge Stop/Check Valve, Current (Danfoss).

| Figure 18. DISCHARGE STOP-CHECK VALVE ASSEMBLY | | | | |
|------------------------------------------------|---------------|-------|-------------|-------------|
| ASSEMBLY | APPLICATION | SIZE | STOP VALVE | CHECK VALVE |
| 582C0028G01 | HIGH STAGE HW | 2 1/2 | 950A0240H07 | 956A0043H01 |
| 582C0028G02 | HIGH STAGE SC | 2 1/2 | 950A0241H07 | 956A0043H01 |
| 582C0028G03 | BOOSTER HW | 2 1/2 | 950A0240H07 | 956A0043H02 |
| 582C0028G04 | BOOSTER SC | 2 1/2 | 950A0241H07 | 956A0043H02 |
| 582C0029G01 | HIGH STAGE HW | 3 | 950A0240H08 | 956A0044H01 |
| 582C0029G02 | HIGH STAGE SC | 3 | 950A0241H08 | 956A0044H01 |
| 582C0029G03 | BOOSTER HW | 3 | 950A0240H08 | 956A0044H02 |
| 582C0029G04 | BOOSTER SC | 3 | 950A0241H08 | 956A0044H02 |
| 582C0030G01 | HIGH STAGE HW | 4 | 950A0240H09 | 956A0045H01 |
| 582C0030G02 | HIGH STAGE SC | 4 | 950A0241H09 | 956A0045H01 |
| 582C0030G03 | BOOSTER HW | 4 | 950A0240H09 | 956A0045H02 |
| 582C0030G04 | BOOSTER SC | 4 | 950A0241H09 | 956A0045H02 |

| Figure 18. STOP VALVE REPAIR KITS (See index next page) | | | | | | | |
|---------------------------------------------------------|---------|-------|--------------------------------------|------------------------------------|---------------------------|----------------------------|-----------------------------------|
| VALVE | DESCR. | SIZE | ● COMPLETE SPARES KIT ⁽¹⁾ | ⊗ PACKING GLAND KIT ⁽²⁾ | ◆ CONE KIT ⁽³⁾ | ◆ HW/SC KIT ⁽⁴⁾ | ■ CAP & BONNET KIT ⁽⁵⁾ |
| 950A0240H07 | BW - HW | 2 1/2 | 950A0240H24 | 950A0232H33 | 950A0240H44 | 950A0232H53 | N/A |
| 950A0240H08 | BW - HW | 3 | 950A0240H25 | 950A0240H34 | 950A0240H45 | 950A0240H54 | N/A |
| 950A0240H09 | BW - HW | 4 | 950A0240H26 | 950A0240H34 | 950A0240H46 | 950A0240H55 | N/A |
| 950A0240H10 | BW - HW | 5 | 950A0240H27 | 950A0240H35 | 950A0240H47 | 950A0240H56 | N/A |
| 950A0241H07 | BW - SC | 2 1/2 | 950A0240H24 | 950A0232H33 | 950A0240H44 | 950A0233H62 | 950A0241H54 |
| 950A0241H08 | BW - SC | 3 | 950A0240H25 | 950A0240H34 | 950A0240H45 | 950A0241H63 | 950A0241H55 |
| 950A0241H09 | BW - SC | 4 | 950A0240H26 | 950A0240H34 | 950A0240H46 | 950A0241H63 | 950A0241H56 |
| 950A0241H10 | BW - SC | 5 | 950A0240H27 | 950A0240H35 | 950A0240H47 | 950A0241H64 | 950A0241H57 |

(1) Consists of Cone, Setscrew, Steel Balls, O-ring, Cap Gasket, Soft Backseat. Stem not included.

(2) Consists of Packing Gland and Washer, O-rings, Wear Ring, and U-sleeves (where applicable).

(3) Consists of Cone, Setscrew, Steel Balls, O-ring.

(4) Consists of Handwheel, Washer, Screw/Nut or Seal Cap and Gasket.

(5) Consists of O-ring and Cap Gasket (plus Soft Backseat for 3 and 4").

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|------------------------------------------------|------|------|------------|
| 18- | - | Discharge Stop Check Valve Assembly | Ref. | | |
| | - | Check Valve (For P/N, see chart previous page) | Ref. | | |
| -1 | - | Housing | 1 | | |
| -2 | - | Bonnet | 1 | | |
| -3 | - | Piston Cylinder | 1 | | |
| -4 | - | Piston Rod | 1 | | |
| -5 | - | Piston | 1 | | |
| -6 | - | Cone | 1 | | |
| -7 | - | Spring Screw | 1 | | |
| -8 | - | Spring Bushing | 1 | | |
| -9 | - | Cone Plate | 1 | | |
| -10 | - | Cone Rod | 1 | | |
| -11 | - | Rear Bushing | 1 | | |
| -12 | - | Front Bushing | 1 | | |
| -13 | - | Spring | 1 | | |
| -14 | Spring Kit* | Spring | 1 | | |
| -15 | - | Plug (not shown) | 1 | | |
| -16 | Seal Kit* | Teflon Ring | 1 | | |
| -17 | Seal Kit* | Bonnet Gasket | 1 | | |
| -18 | Seal Kit* | Nylon Washer | 1 | | |
| -19 | Seal Kit* | Glyde Ring | 1 | | |
| -20 | Seal Kit* | O-Ring | 1 | | |
| -21 | Seal Kit* | O-Ring | 1 | | |
| -22 | Seal Kit* | O-Ring | 1 | | |
| -23 | - | Spring Ring | 1 | | |
| -24 | - | Spring Ring | 1 | | |
| -25 | - | Spring Ring | 1 | | |
| -26 | - | Nut | 1 | | |
| -27 | - | Set Screw | A/R | | |
| -28 | Spring Kit* | Marking Plate | 1 | | |
| -29 | Spring Kit* | Rivet | 1 | | |
| -30 | - | Washer | 1 | | |
| -31 | - | Nut | 1 | | |
| -32 | - | Screw | 1 | | |
| | - | Stop Valve (For P/N, see charts previous page) | Ref. | | |
| -33 | ● ◆ | Cone & Cone Seal | 1 | | |
| -34 | ● ◆ | Setscrew | 1 | | |
| -35 | ● ◆ | Balls, Steel | A/R | | |
| -36 | ✻ | Gland, Packing | 1 | | |
| -37 | ✻ | Washer, Packing | 1 | | |
| -38 | ✻ | O-ring | 1 | | |
| -39 | ✻ | O-ring | 1 | | |
| -40 | ● ◆ ■ | O-ring | 1 | | |
| -41 | ◆ | Handwheel | 1 | | |
| -42 | ◆ | Washer | 1 | | |
| -43 | ◆ | Screw/Nut | 1 | | |
| -44 | ◆ | Cap | 1 | | |
| -45 | ● ◆ ■ | Gasket, Cap | 1 | | |
| -46 | ● ■ | Baskseat, Soft | 1 | | |
| -47 | ✻ | Ring, Wear | 1 | | |

* See Check Valve Repair Kits Chart, below.

| VALVE | APPLICATION | SIZE | BONNET GASKET | SEAL KIT | 14.5 PSI SPRING KIT | 29 PSI SPRING KIT |
|-------------|-------------|-------|---------------|-------------|---------------------|-------------------|
| 956A0043H01 | HIGH STAGE | 2 1/2 | 956A0043H11 | 956A0043H12 | 956A0043H13 | 956A0043H14 |
| 956A0043H02 | BOOSTER | 2 1/2 | 956A0043H11 | 956A0043H12 | 956A0043H13 | 956A0043H14 |
| 956A0044H01 | HIGH STAGE | 3 | 956A0044H11 | 956A0044H12 | 956A0044H13 | 956A0044H14 |
| 956A0044H02 | BOOSTER | 3 | 956A0044H11 | 956A0044H12 | 956A0044H13 | 956A0044H14 |
| 956A0045H01 | HIGH STAGE | 4 | 956A0045H11 | 956A0045H12 | 956A0045H13 | 956A0045H14 |
| 956A0045H02 | BOOSTER | 4 | 956A0045H11 | 956A0045H12 | 956A0045H13 | 956A0045H14 |

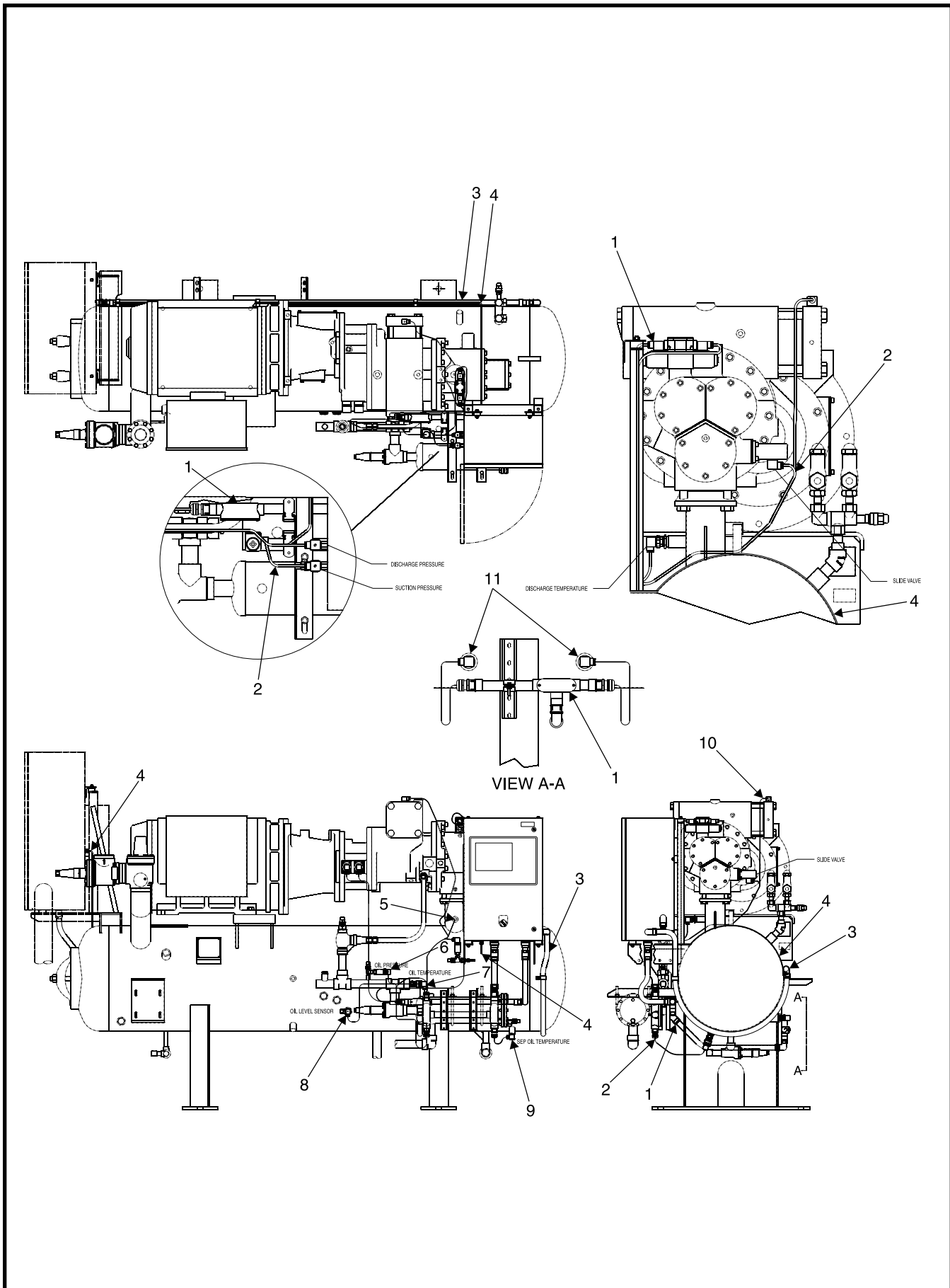


Figure 19. Wiring Harness Assembly, RXF 58 – 101.

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|-----------------------------------------------------------------------------|-------------|---------------------------------------------------|------|------|------------|
| 19- | 649D4828 | Assembly, Wire Harness, RXF 58-101 | Ref. | - | |
| -1 | 649D4821H01 | Wire Harness, AC to Heaters & Valves (external) | 1 | | |
| -2 | 649D4823H01 | Wire Harness, Analog Devices (external) | 1 | | |
| -3 | 649D4820H02 | Wire Harness, DBS to Quantum™ LX (RXF 58-101) | 1 | | |
| -4 | 649A0893H01 | Cable Assembly, DBS Communications to Quantum™ LX | 1 | | |
| -5 | 639A0151H01 | Sensor, Discharge Temperature* | 1 | | |
| -6 | 913A0146H01 | Transducer, 0-200 PSIA, Quantum™ LX* | 1 | | |
| | 913A0146H02 | Transducer, 0-500 PSIA, Quantum™ LX* | 1 | | |
| -7 | 639A0151H01 | Sensor, Oil Temperature* | 1 | | |
| -8 | 536A1419H01 | Sensor, Oil Level* | 1 | | |
| -9 | 639A0151H01 | Sensor, Separator Oil Temperature* | 1 | | |
| -10 | 639A0151H01 | Sensor, Suction Temperature* | 1 | | |
| -11 | 913A0092G01 | Heater, Oil, 500W, 120VAC* | 1 | | HTR |
| | 913A0092G02 | Heater, Oil, 1000W, 120VAC* | 1 | | HTR |
| | 913A0092G03 | Heater, Oil, 500W, 240VAC* | 1 | | HTR |
| | 913A0092G04 | Heater, Oil, 1000W, 240VAC* | 1 | | HTR |
| * Plus 649D4864H01 Replacement Cable for older units without DIN connector. | | | | | |

| FRICK COMPRESSOR OILS | | | | |
|-----------------------|-------------|-------------|-------------|-------------|
| Number | 1 Gallon | 5 Gallon | 55 Gallon | 330 Gallon |
| 2A | - | 111Q0550019 | 111Q0550020 | 333Q0001866 |
| 3 | 333Q0001842 | 111Q0550001 | 111Q0550010 | 333Q0001861 |
| 4 | - | - | 111Q0550005 | - |
| 5 | - | 111Q0550008 | 111Q0550009 | - |
| 6 | - | 333Q0000940 | 333Q0000941 | - |
| 7 | - | 111Q0550024 | 111Q0550025 | - |
| 9 | - | 333Q0000850 | 333Q0000849 | 333Q0001862 |
| 9ST | - | 333Q0001905 | 333Q0001904 | - |
| 10 | 333Q0000741 | 333Q0000740 | 333Q0000739 | - |
| 11 | - | 333Q0000852 | 333Q0000851 | 333Q0001863 |
| 11ST | - | 333Q0001907 | 333Q0001906 | - |
| 12 | 333Q0001140 | 333Q0001141 | 333Q0001142 | - |
| 12B | - | 333Q0001883 | 333Q0001884 | - |
| 13 | 333Q0000511 | 333Q0001253 | 333Q0001254 | - |
| 13B | 333Q0001939 | 333Q0001938 | 333Q0001937 | - |
| 14 | 333Q0001143 | 333Q0001144 | 333Q0001145 | - |
| 18 | - | - | 333Q0001892 | - |
| 19 | - | 333Q0001900 | 333Q0001899 | - |
| 20 | - | 333Q0001902 | 333Q0001903 | - |
| NG 1 | - | - | 333Q0001850 | - |
| NG 2 | - | - | 333Q0001851 | - |
| NG 3 | - | - | 333Q0001852 | - |

Oil Analysis Kit - 333Q0001853
Tube of Motor Grease - 333Q0001860

| FRICK BLUE PAINT | |
|------------------|---------------|
| Size Each | Part Number |
| 1 PT. | 993A0001H01* |
| 1 GAL. | 333Q0000404 |
| 2 GAL. | 333Q0000724** |

* Spray Can

** Matte finish epoxy paint. One gallon each of resin and cure that require mixing.

| FRICK FLANGE GASKETS | | | |
|----------------------|----------------------------|-------------------|-------------------|
| GASKET NO. | FLANGE SIZE ⁽¹⁾ | ID ⁽¹⁾ | OD ⁽¹⁾ |
| 959A0057H01 | 1/4 | 29/32 | 1-11/32 |
| 959A0057H02 | 3/8 & 1/2 | 1-9/32 | 1-23/32 |
| 959A0057H03 | 3/4 & 1 | 1-21/32 | 2-3/32 |
| 959A0057H04 | 1-1/4 | 1-27/32 | 2-9/32 |
| 959A0057H05 | 1-1/2 | 2-1/8 | 2-3/4 |
| 959A0057H06 | 2-1/2 | 3 | 3-3/4 |
| 959A0057H07 | 2 | 2-1/2 | 3-1/4 |
| 959A0057H08 | 3-1/2 | 4-1/8 | 4-7/8 |
| 959A0057H09 | 4 | 4-3/4 | 5-1/2 |
| 959A0057H10 | 5 | 6-1/4 | 7 |
| 959A0057H11 | 6 | 7-3/8 | 8-1/8 |
| 959A0057H12 | 8 | 9-9/16 | 10-1/2 |
| 959A0057H13 | 10 | 11-7/8 | 12-15/16 |
| 959A0057H14 | 12 | 13-1/4 | 14-1/4 |
| 959A0057H15 | 14 | 14-3/4 | 16-1/32 |
| 959A0057H16 | 3/4 | 1-5/16 | 1-13/16 |
| 959A0057H18 | 3 | 3-5/8 | 4-3/8 |

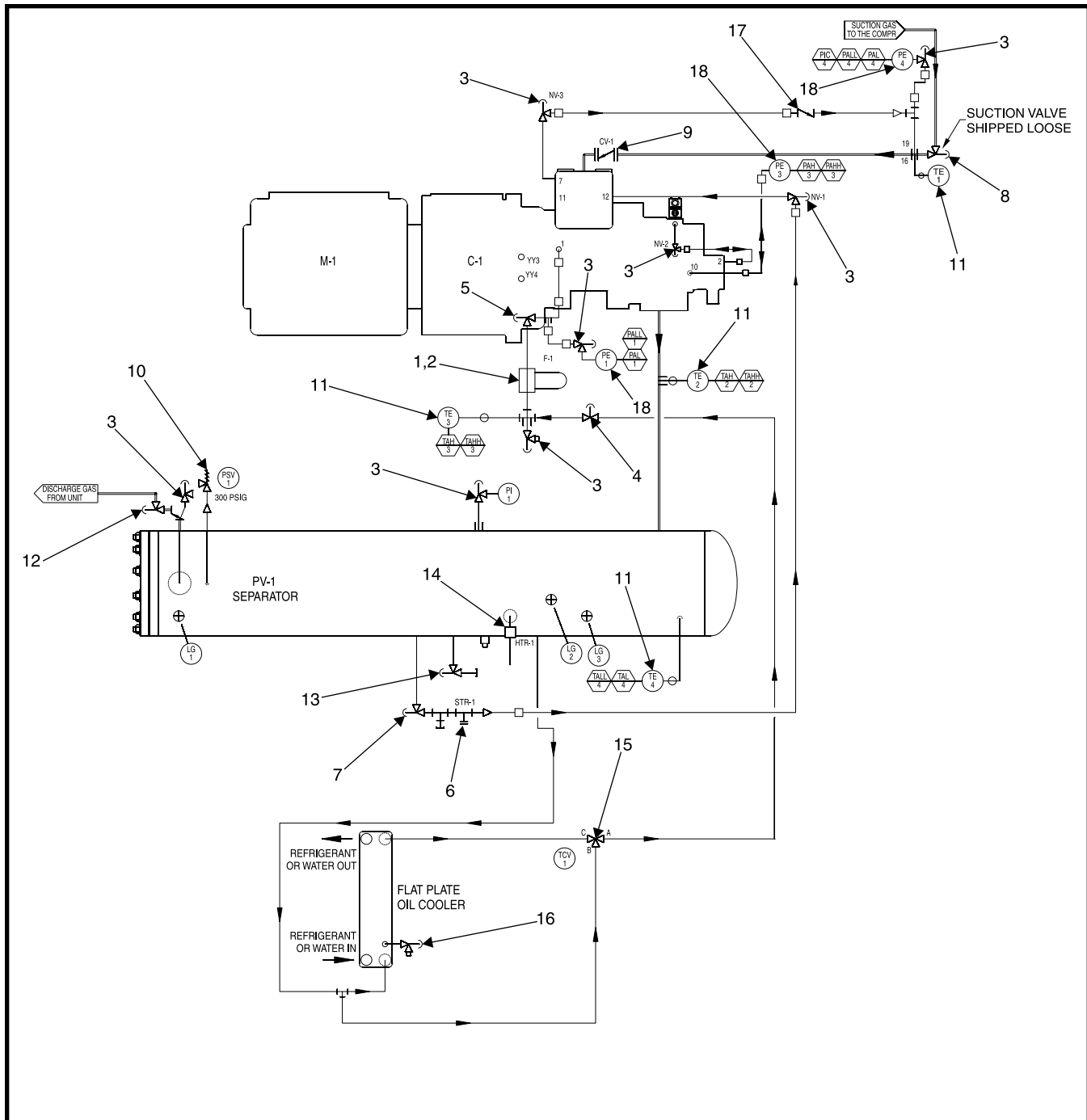
1. Measurements in inches.

| STRAIGHT ADAPTERS / O-RINGS - STRAIGHT THREAD TO NPTF | | | |
|-------------------------------------------------------|--------------------------|-------------------|-------------|
| Straight Thread Size ⁽¹⁾ | NPTF Size ⁽¹⁾ | Frick Part Number | O-ring |
| 9/16-18 | 1/4-18 | 944A0246H01 | 980A0012K60 |
| 3/4-16 | 1/4-18 | 944A0246H02 | 980A0012K62 |
| 3/4-16 | 3/8-18 | 944A0246H03 | 980A0012K62 |
| 3/4-16 | 1/2-14 | 944A0246H04 | 980A0012K62 |
| 7/8-14 | 1/4-18 | 944A0246H05 | 980A0012K64 |
| 7/8-14 | 3/8-18 | 944A0246H06 | 980A0012K64 |
| 7/8-14 | 1/2-14 | 944A0246H07 | 980A0012K64 |
| 7/8-14 | 3/4-14 | 944A0246H08 | 980A0012K64 |
| 1 1/16-12 | 1/2-14 | 944A0246H09 | 980A0012K66 |
| 1 1/16-12 | 3/4-14 | 944A0246H10 | 980A0012K66 |
| 1 3/16-12 | 1/2-14 | 944A0246H11 | 980A0012K68 |
| 1 3/16-12 | 3/4-14 | 944A0246H12 | 980A0012K68 |
| 1 5/16-12 | 1/2-14 | 944A0246H13 | 980A0012K69 |
| 1 5/16-12 | 3/4-14 | 944A0246H14 | 980A0012K69 |
| 1 5/16-12 | 1-11 1/2 | 944A0246H15 | 980A0012K69 |
| 1 5/8-12 | 1-11 1/2 | 944A0246H16 | 980A0012K71 |
| 1 5/8-12 | 1 1/4-11 1/2 | 944A0246H17 | 980A0012K71 |
| 1 7/8-12 | 1-11 1/2 | 944A0246H18 | 980A0012K72 |
| 1 7/8-12 | 1 1/2-11 1/2 | 944A0246H19 | 980A0012K72 |
| 7/16-20 | 1/4-18 | 944A0246H20 | 980A0012K58 |

| 90° ELBOW ADAPTERS / O-RINGS - STRAIGHT THREAD TO TUBE | | | | |
|--------------------------------------------------------|------------------------|-----------------------------------|-----------------------------------|-------------|
| NUMBER | TUBE OD ⁽¹⁾ | TUBE END UN/UNF-2A ⁽¹⁾ | PORT THD UN/UNF-2A ⁽¹⁾ | O-RING |
| 944A0288H01 | 1/2 | 3/4-16 | 3/4-16 | 980A0012K62 |
| 944A0288H02 | 1/2 | 3/4-16 | 9/16-18 | 980A0012K60 |
| 944A0288H03 | 1/2 | 3/4-16 | 7/8-14 | 980A0012K64 |
| 944A0288H04 | 1/2 | 3/4-16 | 1 1/16-12 | 980A0012K66 |
| 944A0288H05 | 5/8 | 7/8-14 | 7/8-14 | 980A0012K64 |
| 944A0288H06 | 5/8 | 7/8-14 | 3/4-16 | 980A0012K62 |
| 944A0288H07 | 5/8 | 7/8-14 | 1 1/16-12 | 980A0012K66 |
| 944A0288H08 | 3/4 | 1 1/16-12 | 1 1/16-12 | 980A0012K66 |
| 944A0288H09 | 3/4 | 1 1/16-12 | 3/4-16 | 980A0012K62 |
| 944A0288H10 | 3/4 | 1 1/16-12 | 7/8-14 | 980A0012K64 |
| 944A0288H11 | 3/4 | 1 1/16-12 | 1 5/16-12 | 980A0012K69 |
| 944A0288H12 | 7/8 | 1 3/16-12 | 1 3/16-12 | 980A0012K68 |
| 944A0288H13 | 1 | 1 5/8-12 | 1 5/16-12 | 980A0012K69 |
| 944A0288H14 | 1 | 1 5/16-12 | 1 1/16-12 | 980A0012K66 |
| 944A0288H15 | 1 1/4 | 1 5/8-12 | 1 5/8-12 | 980A0012K71 |
| 944A0288H16 | 1 1/2 | 1 7/8-12 | 1 7/8-12 | 980A0012K72 |

1. In Inches

| STOP VALVE COMPLETE REPAIR KIT (less stem) | | | | |
|--------------------------------------------|-------|----------|-------------|-------------|
| DANFOSS | TYPE | CONN. | SIZE (INCH) | REPAIR KIT |
| 950A0233H01 | ANGLE | SW - SC | 1/2 | 950A0232H21 |
| 950A0233H02 | ANGLE | SW - SC | 3/4 | 950A0232H21 |
| 950A0233H03 | ANGLE | SW - SC | 1 | 950A0232H22 |
| 950A0233H04 | ANGLE | SW - SC | 1-1/4 | 950A0232H22 |
| 950A0233H05 | ANGLE | SW - SC | 1-1/2 | 950A0232H22 |
| 950A0237H01 | ANGLE | THD - SC | 1/2 | 950A0232H21 |
| 950A0237H02 | ANGLE | THD - SC | 3/4 | 950A0232H21 |
| 950A0237H03 | ANGLE | THD - SC | 1 | 950A0232H22 |
| 950A0240H07 | ANGLE | BW - HW | 2-1/2 | 950A0240H24 |
| 950A0240H08 | ANGLE | BW - HW | 3 | 950A0240H25 |
| 950A0240H09 | ANGLE | BW - HW | 4 | 950A0240H26 |
| 950A0240H10 | ANGLE | BW - HW | 5 | 950A0240H27 |
| 950A0241H07 | ANGLE | BW - SC | 2-1/2 | 950A0240H24 |
| 950A0241H08 | ANGLE | BW - SC | 3 | 950A0240H25 |
| 950A0241H09 | ANGLE | BW - SC | 4 | 950A0240H26 |
| 950A0241H10 | ANGLE | BW - SC | 5 | 950A0240H27 |
| 950A0245H01 | GLOBE | SW - SC | 1/2 | 950A0232H21 |
| 950A0245H02 | GLOBE | SW - SC | 3/4 | 950A0232H21 |
| 950A0245H03 | GLOBE | SW - SC | 1 | 950A0232H22 |
| 950A0249H01 | GLOBE | THD - SC | 1/2 | 950A0232H21 |
| 950A0249H02 | GLOBE | THD - SC | 3/4 | 950A0232H21 |
| 950A0319H01 | ANGLE | SW - MPT | 3/4-1/2 | 950A0232H21 |



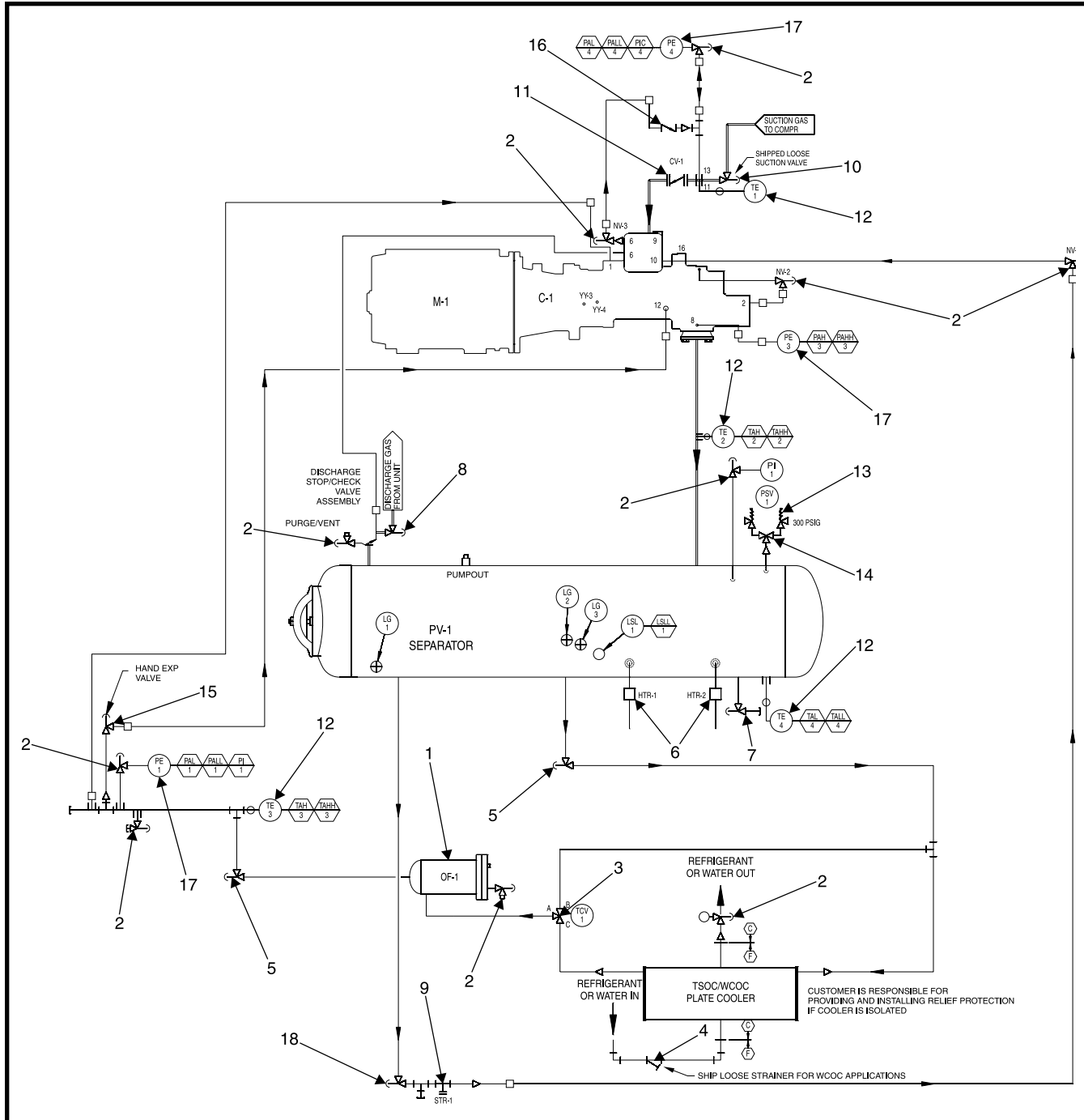
LEGEND

| | | | | | |
|------|------------------------|---------|------------------------------------|----|----------------------------|
| AS | AIR SUPPLY | PCV | PRESSURE CONTROL VALVE | TW | THERMOWELL |
| C | COMPRESSOR | PDSLL | LOW DIFFERENTIAL PRESS. SHUTDOWN | VI | VI CONTROL |
| CV | CHECK VALVE | PE | PRESSURE ELEMENT | WS | WATER SUPPLY |
| DP | DISCHARGE PRESSURE | PI | PRESSURE INDICATOR | | SOLENOID VALVE/EVENT VALVE |
| F | FILTER OR FILTER DRIER | PIC/TIC | PRESS./TEMP. INDICATING CONTROLLER | 1 | MAIN OIL SUPPLY |
| FG | FLOW GLASS | PM | PUMP MOTOR | 2 | SLIDE VALVE PISTON |
| HTR | HEATER | PS | AUTO CYCLE/PRESSURE SWITCH | 3 | LOW VI LIQUID INJECTION |
| HV | HAND ACTUATED VALVE | PSV | PRESSURE SAFETY VALVE | 4 | HIGH VI LIQUID INJECTION |
| LG | SIGHT OR LEVEL GLASS | SP | SUCTION PRESSURE | 5 | ECONOMIZER |
| LSL | OIL LEVEL SWITCH LOW | STR | STRAINER | 6 | OIL DRAIN |
| LSLL | LOW OIL LEVEL SHUTDOWN | TAH | HIGH TEMPERATURE ALARM | 7 | SUCTION PRESSURE |
| M | MOTOR | TAHH | HIGH TEMP. SHUTDOWN | 8 | CLOSED THREAD |
| 1MC | MOTOR CONTROL CENTER | TAL | LOW TEMPERATURE ALARM | 10 | DISCHARGE PRESSURE |
| 2MC | MOTOR CONTROL CENTER | TALL | LOW TEMPERATURE SHUTDOWN | 11 | LIQ. INJ. BLEED LINE |
| OP | OIL PRESSURE | TCV | TEMPERATURE CONTROL VALVE | 12 | COALESCER BLEED LINE |
| P | PUMP | TE | TEMPERATURE ELEMENT | 15 | VENT - UNLOADING |
| PAH | HIGH PRESSURE ALARM | TI | TEMPERATURE INDICATOR | 16 | THERMOWELL |
| PAHH | HIGH PRESSURE SHUTDOWN | TS | TEMPERATURE SWITCH | 19 | SUCTION PRESSURE |
| PAL | LOW PRESSURE ALARM | TSH | TEMP. SWITCH HIGH ALARM | | |
| PALL | LOW PRESSURE SHUTDOWN | TSLL | LIQUID INJECTION SHUTOFF | | |

Figure 20. Piping and Instrumentation w/o Oil Pump, RXF 12 – 50.

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|------------------------------------------------------------|------|------|------------|
| 20- | - | Piping & Instrumentation, RXF 12-50 | Ref. | - | |
| -1 | 535A0509H01 | Head, Oil Filter | 1 | | |
| -2 | 535A0354H02 | Cartridge, Oil Filter, SuperFilter™ II | 1 | | |
| -3 | 950A0292H01 | Valve, Angle, Needle, SC, 1/4" MPT x 1/4" FPT | 8 | | |
| -4 | 950A0245H03 | Valve, Globe, SW, SC, 1", Danfoss ⁽⁴⁾ | 1 | | |
| | 950A0232H22 | Spare Parts Kit, Complete, less stem, 1" | 1 | | |
| | 950A0232H42 | Spare Parts Kit, Cone, 1" | 1 | | |
| | 950A0232H32 | Spare Parts Kit, Packing Gland, 1" | 1 | | |
| | 950A0233H52 | Spare Parts Kit, Cap & Bonnet, 1" | 1 | | |
| | 950A0233H62 | Spare Parts Kit, Seal Cap & Gasket, 1" | 1 | | |
| -5 | 950A0237H02 | Valve, Angle, THD, SC, 3/4", Danfoss | 1 | | |
| | 950A0232H21 | Spare Parts Kit, Complete, less stem, 3/4" | 1 | | |
| | 950A0232H41 | Spare Parts Kit, Cone, 3/4" | 1 | | |
| | 950A0232H31 | Spare Parts Kit, Packing Gland, 3/4" | 1 | | |
| | 950A0233H51 | Spare Parts Kit, Cap & Bonnet, 3/4" | 1 | | |
| | 950A0233H61 | Spare Parts Kit, Seal Cap & Gasket, 3/4" | 1 | | |
| | 950A0237H03 | Valve, Angle, THD, SC, 1", Danfoss | 1 | | |
| | 950A0232H22 | Spare Parts Kit, Complete, less stem, 1" | 1 | | |
| | 950A0232H42 | Spare Parts Kit, Cone, 1" | 1 | | |
| | 950A0232H32 | Spare Parts Kit, Packing Gland, 1" | 1 | | |
| | 950A0233H52 | Spare Parts Kit, Cap & Bonnet, 1" | 1 | | |
| | 950A0233H62 | Spare Parts Kit, Seal Cap & Gasket, 1" | 1 | | |
| -6 | 950A0019H01 | Strainer, 1/2" FPT | 1 | | STR |
| | 950A0019H02 | Gasket, Flange | 1 | | |
| | 950A0019H03 | Gasket, Screen | 1 | | |
| | 950A0019H04 | Kit, Screen w/Gasket | 1 | | |
| -7 | 950A0233H01 | Valve, Angle, SW, SC, 1/2" | 1 | | |
| | 950A0232H21 | Spare Parts Kit, Complete, less stem, 1/2" | 1 | | |
| | 950A0232H41 | Spare Parts Kit, Cone, 1/2" | 1 | | |
| | 950A0232H31 | Spare Parts Kit, Packing Gland, 1/2" | 1 | | |
| | 950A0233H51 | Spare Parts Kit, Cap & Bonnet, 1/2" | 1 | | |
| | 950A0233H61 | Spare Parts Kit, Seal Cap & Gasket, 1/2" | 1 | | |
| -8 | 950A0241H07 | Valve, WIL, Angle, SC, 2-1/2" Danfoss (See Figure 18) | 1 | | |
| | 950A0241H08 | Valve, WIL, Angle, SC, 3" Danfoss (See Figure 18) | 1 | | |
| | 950A0241H09 | Valve, WIL, Angle, SC, 4" Danfoss (See Figure 18) | 1 | | |
| -9 | 956A0051H01 | Valve, Check, 2 1/2, ANSI Class 125, RXF 12 ⁽¹⁾ | 1 | | |
| | 956A0051H02 | Valve, Check, 3, ANSI Class 125, RXF 15-24 ⁽¹⁾ | 1 | | |
| | 956A0051H03 | Valve, Check, 4, ANSI Class 125, RXF 30-50 ⁽¹⁾ | 1 | | |
| -10 | 952A0051H10 | Valve, Safety, 1/2" 300# | 1 | | PSV |
| | 952A0052H10 | Valve, Safety, 3/4" 300# | 1 | | PSV |
| -11 | 639A0151G01 | Assembly, Sensor, Temperature | 4 | | TE |
| | 639A0151H01 | Sensor, Temperature (Less DIN Connector) | 4 | | |
| | 649A0890H01 | Connector, DIN (with M3 connection for shielded cable) | 4 | | |
| | 649A0890H11 | Gasket, DIN | 4 | | |
| | 913A0100H01 | Thermal Compound, Temperature Sensor | A/R | | |
| -12 | - | Valve, Discharge Stop/Check (See Figure 18) | 1 | | |
| -13 | 950A0233H02 | Valve, Angle, SW, SC, 3/4" | 1 | | |
| | 950A0232H21 | Spare Parts Kit, Complete, less stem, 3/4" | 1 | | |
| | 950A0232H41 | Spare Parts Kit, Cone, 3/4" | 1 | | |
| | 950A0232H31 | Spare Parts Kit, Packing Gland, 3/4" | 1 | | |
| | 950A0233H51 | Spare Parts Kit, Cap & Bonnet, 3/4" | 1 | | |
| | 950A0233H61 | Spare Parts Kit, Seal Cap & Gasket, 3/4" | 1 | | |
| -14 | 913A0047H01 | Heater, Oil, 500W, 120VAC, w/DIN | 1 | | HTR |
| | 913A0047H02 | Heater, Oil, 1000W, 120VAC, w/DIN | 1 | | HTR |
| | 913A0047H03 | Heater, Oil, 500W, 240VAC, w/DIN | 1 | | HTR |
| | 913A0047H04 | Heater, Oil, 1000W, 240VAC, w/DIN | 1 | | HTR |
| -15 | 950A0282H01 | Valve, Temperature Regulating, 1" SW, 120°F, Hansen | 1 | | |
| | 950A0282H11 | Kit, Service, consisting of Thermostat and Gasket | 1 | | |
| -16 | 950A0292H03 | Valve, Angle, S.C., Stop, Needle, 1/2 MPT, Danfoss | 1 | | |
| -17 | 956A0052H01 | Valve, Check, 20 PSI, 3/8 NPTF | 1 | | |
| | 956A0052H02 | Valve, Check, 45 PSI, 3/8 NPTF | 1 | | |
| | 956A0053H01 | Valve, Check, 20 PSI, 1/2 NPTF | 1 | | |
| | 956A0053H01 | Valve, Check, 45 PSI, 1/2 NPTF | 1 | | |
| -18 | 913A0146H01 | Transducer, Pressure, 0-200 PSIA* | 2 | | PE |
| | 913A0146H02 | Transducer, Pressure, 0-500 PSIA* | 2 | | PE |

* Plus 649D4864H01 Replacement Cable for older units without DIN connector.



LEGEND

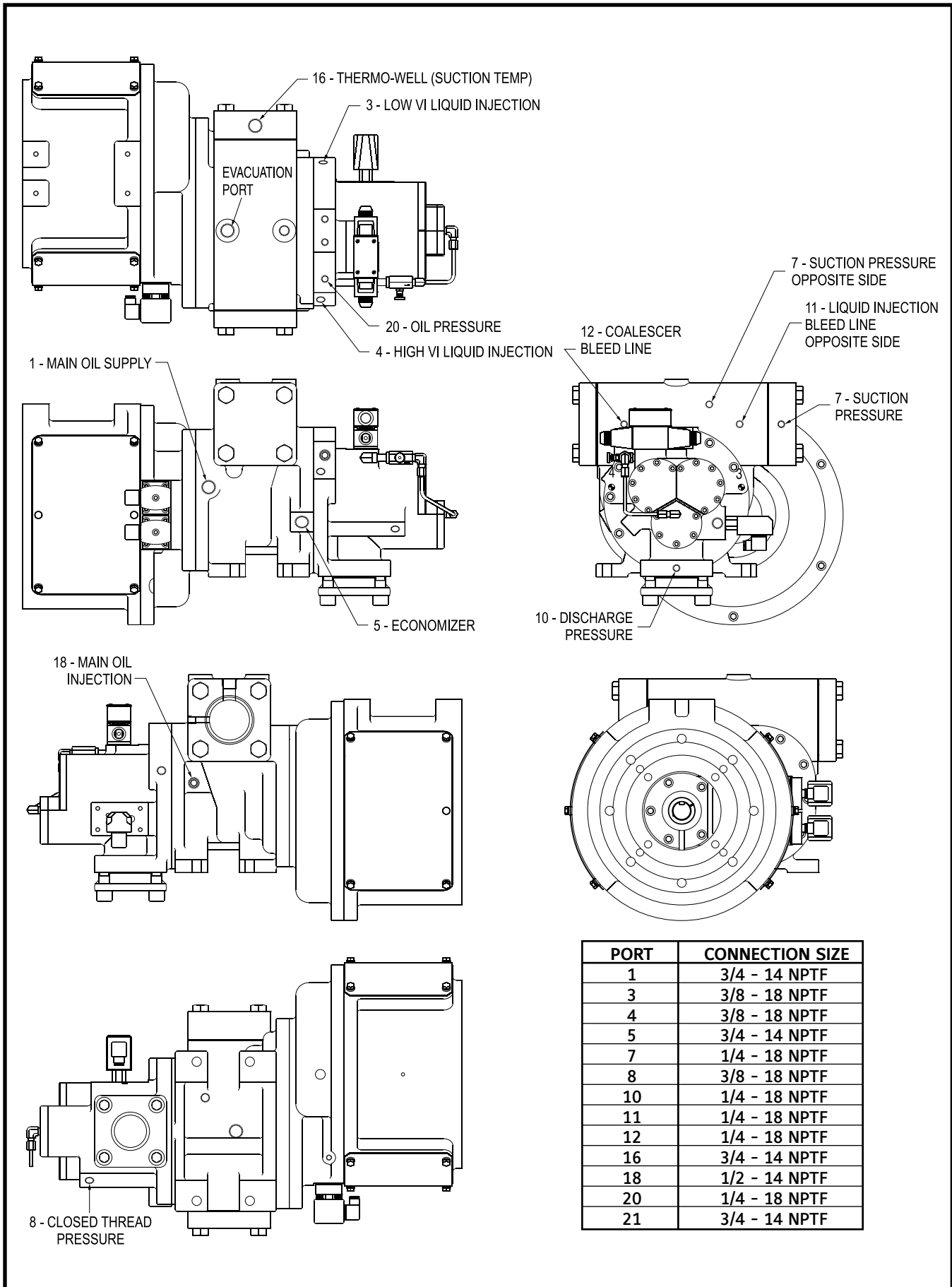
| | | | | | |
|------|------------------------|---------|------------------------------------|----|----------------------------|
| AS | AIR SUPPLY | PCV | PRESSURE CONTROL VALVE | TW | THERMOWELL |
| C | COMPRESSOR | PDSLL | LOW DIFFERENTIAL PRESS. SHUTDOWN | VI | VI CONTROL |
| CV | CHECK VALVE | PE | PRESSURE ELEMENT | WS | WATER SUPPLY |
| DP | DISCHARGE PRESSURE | PI | PRESSURE INDICATOR | YY | SOLENOID VALVE/EVENT VALVE |
| F | FILTER OR FILTER DRIER | PIC/TIC | PRESS./TEMP. INDICATING CONTROLLER | 1 | MAIN OIL SUPPLY |
| FG | FLOW GLASS | PM | PUMP MOTOR | 2 | SLIDE VALVE PISTON |
| HTR | HEATER | PS | AUTO CYCLE/PRESSURE SWITCH | 3 | LOW VI LIQUID INJECTION |
| HV | HAND ACTUATED VALVE | PSV | PRESSURE SAFETY VALVE | 4 | HIGH VI LIQUID INJECTION |
| LG | SIGHT OR LEVEL GLASS | SP | SUCTION PRESSURE | 5 | ECONOMIZER |
| LSL | OIL LEVEL SWITCH LOW | STR | STRAINER | 6 | SUCTION PRESSURE |
| LSSL | LOW OIL LEVEL SHUTDOWN | TAH | HIGH TEMPERATURE ALARM | 7 | CLOSED THREAD |
| M | MOTOR | TAHH | HIGH TEMP. SHUTDOWN | 8 | DISCHARGE PRESSURE |
| 1MC | MOTOR CONTROL CENTER | TAL | LOW TEMPERATURE ALARM | 9 | LIQ. INJ. BLEED LINE |
| 2MC | MOTOR CONTROL CENTER | TALL | LOW TEMPERATURE SHUTDOWN | 10 | COALESCER BLEED LINE |
| OP | OIL PRESSURE | TCV | TEMPERATURE CONTROL VALVE | 11 | THERMOWELL (SUCT. TEMP.) |
| P | PUMP | TE | TEMPERATURE ELEMENT | 12 | MAIN OIL INJECTION |
| PAH | HIGH PRESSURE ALARM | TI | TEMPERATURE INDICATOR | 13 | SUCTION PRESSURE |
| PAHH | HIGH PRESSURE SHUTDOWN | TS | TEMPERATURE SWITCH | 14 | SEAL WEEPAGE |
| PAL | LOW PRESSURE ALARM | TSH | TEMP. SWITCH HIGH ALARM | 15 | ELECTRICAL CONNECTION |
| PALL | LOW PRESSURE SHUTDOWN | TSLL | LIQUID INJECTION SHUTOFF | 16 | OIL PRESSURE |

Figure 21. Piping and Instrumentation w/o Oil Pump, RXF 58 – 101.

| FIG. & INDEX | ITEM NUMBER | DESCRIPTION | QTY. | REV. | P & I REF. |
|--------------|-------------|------------------------------------------------------------|------|------|------------|
| 21- | - | Piping & Instrumentation, RXF 58-101 | Ref. | - | |
| -1 | - | Oil Filter (See Figure 13) | 1 | | |
| -2 | 950A0292H01 | Valve, Angle, Needle, SC, 1/4" MPT x 1/4" FPT | 8 | | |
| -3 | 950A0195H01 | Valve, Temperature Control, Hansen, 1-1/2" SW | 1 | | TCV |
| | 950A0195H11 | Thermostat and Gasket Kit, Hansen | 1 | | |
| | 950A0195H03 | Valve, Temperature Control, FPE, 1-1/2" SW | 1 | | |
| | 950A0195H12 | Element, Lip Seal, & Housing Seal Kit, FPE | 1 | | |
| -4 | 950A0075H06 | Strainer, Y-type, 2" Flanged | 1 | | |
| | 950A0075H26 | Screen, Strainer, 2" | 1 | | |
| | 950A0075H46 | Gasket, Strainer, 2" | 1 | | |
| | 950A0075H08 | Strainer, Y-type, 3" Flanged | 1 | | |
| | 950A0075H28 | Screen, Strainer, 3" | 1 | | |
| | 950A0075H48 | Gasket, Strainer, 3" | 1 | | |
| -5 | 950A0233H04 | Valve, Angle, Seal Cap, 1-1/4", Danfoss | 1 | | |
| | 950A0233H05 | Valve, Angle, Seal Cap, 1-1/2", Danfoss | 1 | | |
| | 950A0232H22 | Spare Parts Kit, Complete, less stem, 1-1/4 & 1-1/2" | 1 | | |
| | 950A0232H42 | Spare Parts Kit, Cone, 1-1/4 & 1-1/2" | 1 | | |
| | 950A0232H32 | Spare Parts Kit, Packing Gland, 1-1/4 & 1-1/2" | 1 | | |
| | 950A0233H52 | Spare Parts Kit, Cap & Bonnet, 1-1/4 & 1-1/2" | 1 | | |
| | 950A0233H62 | Spare Parts Kit, Seal Cap & Gasket, 1-1/4 & 1-1/2" | 1 | | |
| -6 | 913A0092G01 | Heater, Oil, 500W, 120VAC, w/DIN | 1 | | HTR |
| | 913A0092G02 | Heater, Oil, 1000W, 120VAC, w/DIN | 1 | | HTR |
| | 913A0092G03 | Heater, Oil, 500W, 240VAC, w/DIN | 1 | | HTR |
| | 913A0092G04 | Heater, Oil, 1000W, 240VAC, w/DIN | 1 | | HTR |
| -7 | 950A0233H03 | Valve, Angle, SW, SC, 1", Danfoss | 1 | | |
| | 950A0232H22 | Spare Parts Kit, Complete, less stem, 1" | 1 | | |
| | 950A0232H42 | Spare Parts Kit, Cone, 1" | 1 | | |
| | 950A0232H32 | Spare Parts Kit, Packing Gland, 1" | 1 | | |
| | 950A0233H52 | Spare Parts Kit, Cap & Bonnet, 1" | 1 | | |
| | 950A0233H62 | Spare Parts Kit, Seal Cap & Gasket, 1" | 1 | | |
| -8 | - | Valve, Discharge Stop/Check (See Figure 18) | 1 | | |
| -9 | 950A0019H01 | Strainer, 1/2" FPT | 1 | | STR |
| | 950A0019H02 | Gasket, Flange | 1 | | |
| | 950A0019H03 | Gasket, Screen | 1 | | |
| | 950A0019H04 | Kit, Screen w/Gasket | 1 | | |
| -10 | 950A0241H09 | Valve, WIL, Angle, SC, 4", Danfoss (See Fig. 18) | 1 | | |
| | 950A0241H10 | Valve, WIL, Angle, SC, 5", Danfoss (See Fig. 18) | 1 | | |
| -11 | 956A0051H04 | Valve, Check, 5", ANSI Class 125, RXF 58-101 | 1 | | |
| -12 | 639A0151G01 | Assembly, Temperature Sensor | 4 | | TE |
| | 639A0151H01 | Sensor, Temperature, less Well | 4 | | |
| | 913A0098H01 | Well only | 4 | | |
| | 649A0890H01 | DIN Connector | 4 | | |
| | 649A0890H11 | DIN Gasket | 4 | | |
| | 913A0100H01 | Thermal Compound | A/R | | |
| -13 | 952A0051H10 | Valve, Safety Relief 813, 1/2" FPT in x 1" FPT out | 2 | | |
| | 952A0052H10 | Valve, Safety Relief 814, 3/4" FPT in x 1 1/4" FPT out | 2 | | |
| | 952A0053H09 | Valve, Safety Relief 815, 1" FPT in x 1 1/2" FPT out | 2 | | |
| | 952A0055H07 | Valve, Safety Relief 851, 1" MPT in x 2" MPT out | 2 | | |
| -14 | 955B0005H01 | Valve, Shutoff, Three-way, 1/2" | 1 | | |
| | 955B0005H02 | Valve, Shutoff, Three-way, 3/4" | 1 | | |
| | 955B0005H03 | Valve, Shutoff, Three-way, 1" | 1 | | |
| -15 | 954A0062H03 | Valve, Hand Expansion, 1" SW/FPT | 1 | | |
| | 954A0062H23 | Kit, Bonnet O-ring & Cap Gasket | 1 | | |
| | 954A0062H28 | Kit, Gaskets Complete* | 1 | | |
| | 954A0062H33 | Kit, Packing Gland, Gaskets, O-rings | 1 | | |
| | 954A0062H38 | Kit, Cap & Gasket | 1 | | |
| -16 | 956A0052H01 | Valve, Check, 20 PSI, 3/8 NPTF | 1 | | |
| | 956A0052H02 | Valve, Check, 45 PSI, 3/8 NPTF | 1 | | |
| | 956A0053H01 | Valve, Check, 20 PSI, 1/2 NPTF | 1 | | |
| | 956A0053H01 | Valve, Check, 45 PSI, 1/2 NPTF | 1 | | |
| -17 | 913A0146H01 | Transducer, Pressure, 0-200 PSIA** | 2 | | PE |
| | 913A0146H02 | Transducer, Pressure, 0-500 PSIA** | 2 | | PE |
| -18 | 950A0233H01 | Valve, Angle, SW, SC, 1/2" (For repair kits see item 20-7) | 1 | | |

* Includes Cone complete w/steel balls & allen screw, gaskets complete for packing gland, O-ring for housing/bonnet, gasket for cap, distance ring, & allen key.

** Plus 649D4864H01 Replacement Cable for older units without DIN connector.



| PORT | CONNECTION SIZE |
|------|-----------------|
| 1 | 3/4 - 14 NPTF |
| 3 | 3/8 - 18 NPTF |
| 4 | 3/8 - 18 NPTF |
| 5 | 3/4 - 14 NPTF |
| 7 | 1/4 - 18 NPTF |
| 8 | 3/8 - 18 NPTF |
| 10 | 1/4 - 18 NPTF |
| 11 | 1/4 - 18 NPTF |
| 12 | 1/4 - 18 NPTF |
| 16 | 3/4 - 14 NPTF |
| 18 | 1/2 - 14 NPTF |
| 20 | 1/4 - 18 NPTF |
| 21 | 3/4 - 14 NPTF |

Figure 22. RXF 12-19, XJF 95 Port Locations.

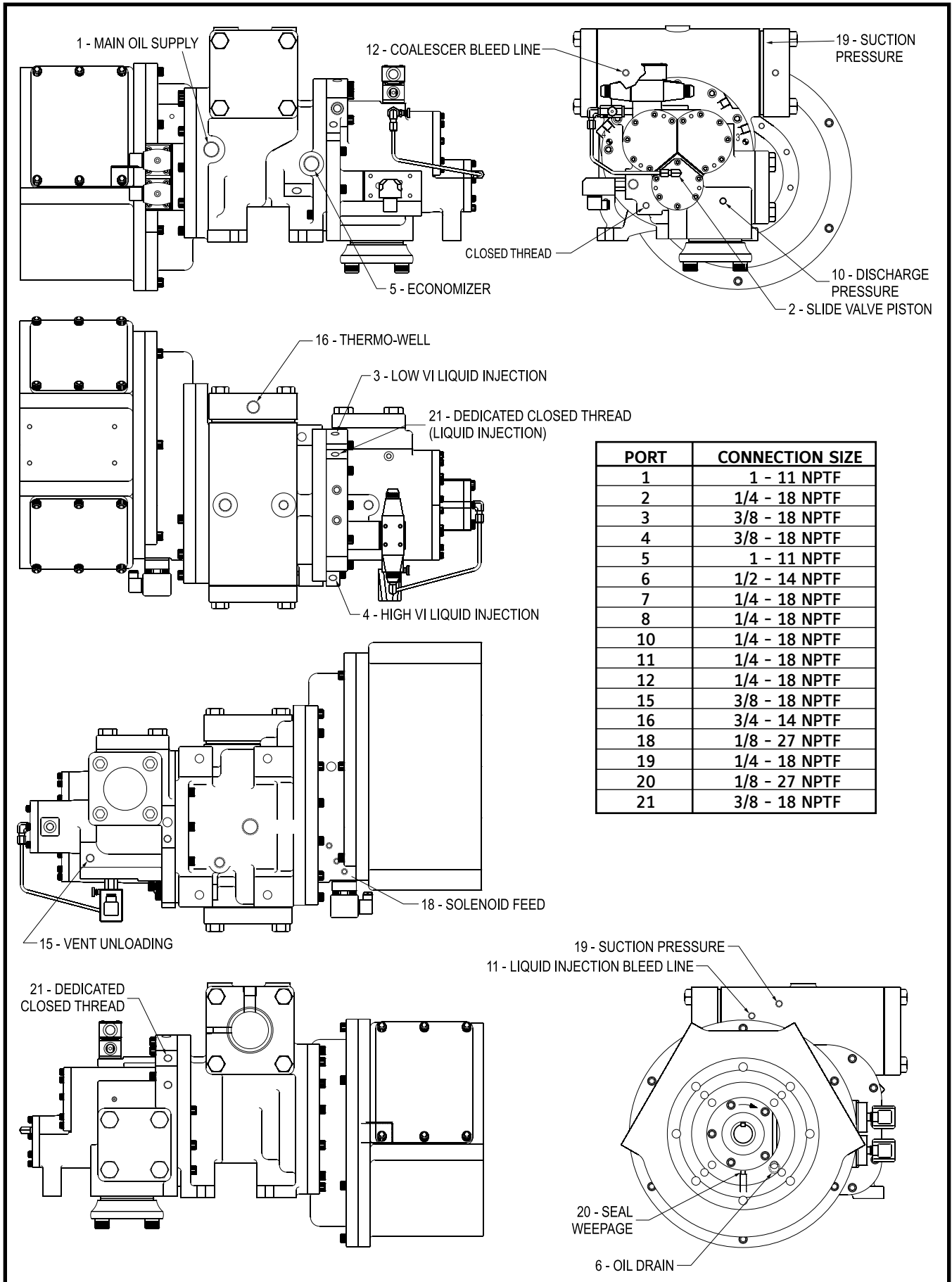


Figure 23. RXF 24-50, XJF 120 Port Locations.

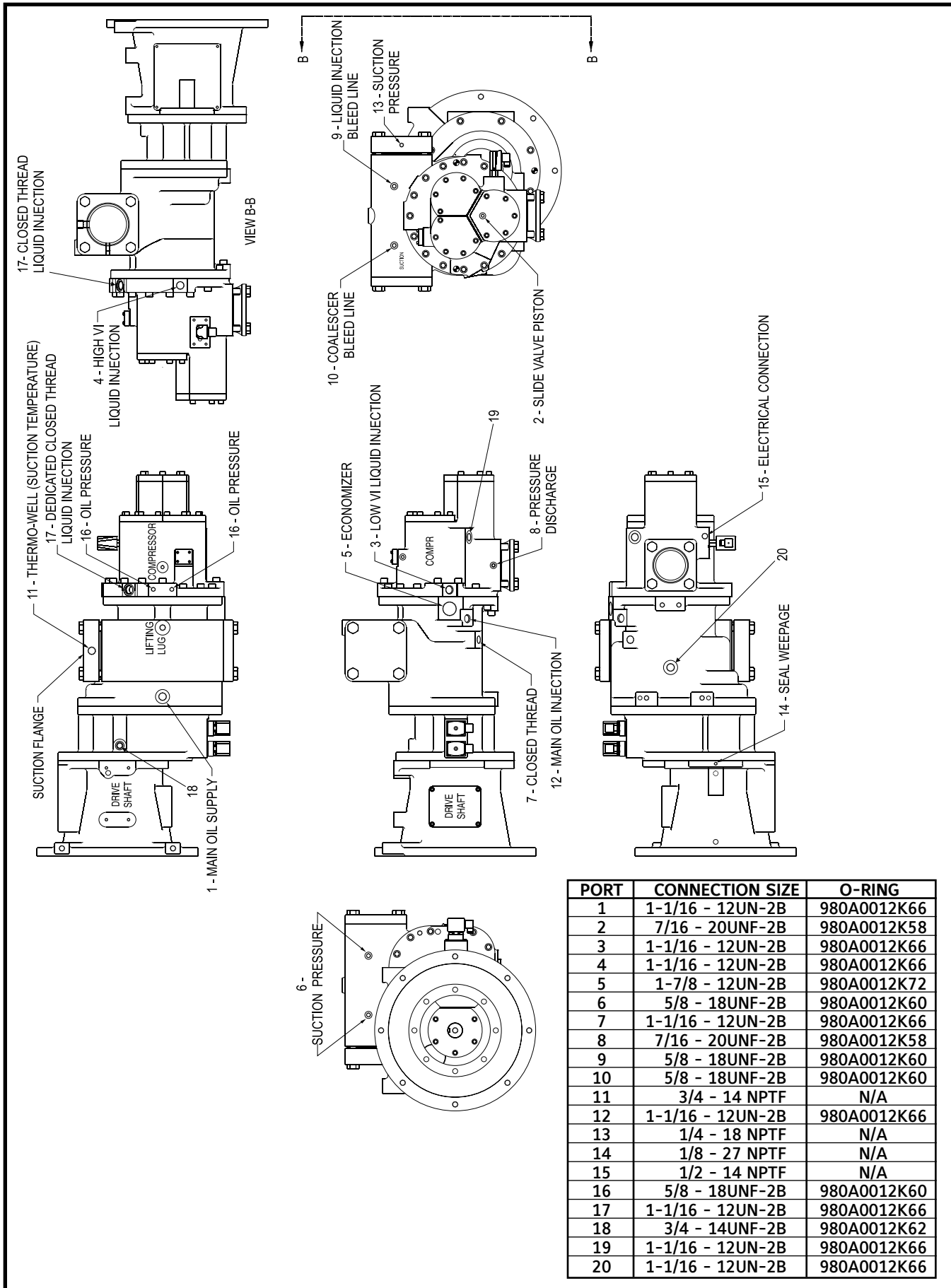


Figure 24. RXF 58-101, XJF 151 Port Locations & O-rings.

| ITEM NUMBER | FIG. & INDEX NO. | ITEM NUMBER | FIG. & INDEX NO. | ITEM NUMBER | FIG. & INDEX NO. |
|-------------|------------------|-------------|------------------|-------------|------------------|
| 111Q0043229 | 3-22 | 535A0354H02 | 1-2 | 649A0890H01 | 3-8 |
| 111Q0740737 | 4-25 | 535A0354H02 | 20-2 | 649A0890H01 | 4-8 |
| 111Q0740740 | 3-20 | 535A0356H01 | 1-18 | 649A0890H01 | 5-17 |
| 111Q0740741 | 3-14 | 535A0378H01 | 13-3 | 649A0890H01 | 6-12 |
| 111Q0740772 | 3-14 | 535A0509H01 | 1-1 | 649A0890H01 | 6-15 |
| 111Q0740781 | 4-14 | 535A0509H01 | 20-1 | 649A0890H01 | 20-11 |
| 111Q0993344 | 3-9 | 535M0197G01 | 10-1 | 649A0890H01 | 21-12 |
| 111Q0993344 | 4-9 | 536A1419H01 | 5-22 | 649A0890H11 | 1-13 |
| 333Q0000738 | 3-20 | 536A1419H01 | 19-8 | 649A0890H11 | 2-14 |
| 333Q0000738 | 4-20 | 540D0217G02 | 5-8 | 649A0890H11 | 5-17 |
| 531A0105H03 | 6-1 | 540D0217G02 | 6-11 | 649A0890H11 | 6-12 |
| 531A0105H04 | 6-1 | 540D0217G02 | 6-11 | 649A0890H11 | 6-15 |
| 531A0224H02 | 13-1 | 540D0217G03 | 6-9 | 649A0890H11 | 20-11 |
| 531B0065H06 | 5-10 | 540D0217G03 | 6-9 | 649A0890H11 | 21-12 |
| 531B0099H01 | 6-10 | 540D0217H06 | 5-7 | 649A0893H01 | 19-4 |
| 531B0099H01 | 6-10 | 540D0217H06 | 6-7 | 649D4820H02 | 19-3 |
| 531B0099H02 | 5-10 | 540D0217H06 | 6-7 | 649D4821H01 | 19-1 |
| 534A0154H01 | 3-10 | 547D0485G01 | 7-1 | 649D4823H01 | 19-2 |
| 534A0171H01 | 3-10 | 547D0486G01 | 7-1 | 720A0013 | 5-18 |
| 534A0506H01 | 3-20 | 547D0487G01 | 7-1 | 901A0046D08 | 9-13 |
| 534A0506H01 | 4-20 | 547D0493G01 | 7-1 | 901A0046D09 | 9-13 |
| 534A0565H01 | 4-10 | 547D0494G01 | 7-1 | 901A0085H04 | 3-20 |
| 534A0566H01 | 4-19 | 547D0500G01 | 7-1 | 901A0085H04 | 4-20 |
| 534A0567H01 | 4-19 | 547D0501G01 | 7-1 | 901A0085H19 | 3-11 |
| 534A0883H01 | 3-17 | 547D0504G01 | 7-1 | 901A0085H19 | 4-11 |
| 534A0883H01 | 4-17 | 547D0691G01 | 7-1 | 901A0089H01 | 3-26 |
| 534A0980G01 | 3-22 | 547D0714G01 | 7-1 | 901A0098H16 | 7-4 |
| 534B0149H01 | 4-26 | 547D0715G01 | 7-1 | 901A0098H19 | 7-4 |
| 534B0151H01 | 4-27 | 547D0723G01 | 9-1 | 901A0098H21 | 7-4 |
| 534B0527H01 | 4-4 | 547D0724G01 | 9-1 | 901A0098H22 | 7-4 |
| 534B0986H01 | 3-15 | 548A0068G01 | 5-9 | 901A0099H07 | 5-2 |
| 534B0987H01 | 3-15 | 548C0147G02 | 5-9 | 901A0172H03 | 9-9 |
| 534B1023H01 | 4-15 | 548C0150G02 | 5-8 | 901A0172H03 | 12-7 |
| 534B1088H01 | 3-23 | 548C0509H04 | 5-1 | 901A0234H20 | 3-3 |
| 534B1088H01 | 4-22 | 548C0509H05 | 5-1 | 901A0234H20 | 4-3 |
| 534B1092H01 | 3-24 | 580C0404 | 6-12 | 902A0021H01 | 5-5 |
| 534B1092H01 | 4-23 | 580C0424 | 6-12 | 902A0021H01 | 6-8 |
| 534C0408G01 | 3-4 | 580C0425 | 6-12 | 902A0021H01 | 6-8 |
| 534C0428G01 | 3-4 | 580C0426 | 6-12 | 902A0021H02 | 5-3 |
| 534C0660H01 | 3-19 | 582C0029 | 6-3 | 902A0021H03 | 7-5 |
| 534C0709H01 | 3-19 | 582C0030 | 6-3 | 902A0021H03 | 9-14 |
| 534C1011H01 | 3-19 | 639A0151G01 | 1-13 | 905A0012H05 | 5-6 |
| 534C1062C01 | 4-29 | 639A0151G01 | 2-14 | 905A0012H05 | 6-6 |
| 534C1552H01 | 3-18 | 639A0151G01 | 5-17 | 905A0012H05 | 6-6 |
| 534C1552H01 | 4-18 | 639A0151G01 | 20-11 | 913A0047H01 | 5-12 |
| 534C1868H01 | 3-27 | 639A0151G01 | 21-12 | 913A0047H01 | 20-14 |
| 534C1870H01 | 3-27 | 639A0151H01 | 1-13 | 913A0047H02 | 5-12 |
| 534C1872H01 | 3-27 | 639A0151H01 | 2-14 | 913A0047H02 | 20-14 |
| 534C1874H01 | 3-27 | 639A0151H01 | 5-17 | 913A0047H03 | 5-12 |
| 534C1875H01 | 4-28 | 639A0151H01 | 6-15 | 913A0047H03 | 20-14 |
| 534D0349C01 | 3-28 | 639A0151H01 | 19-5 | 913A0047H04 | 5-12 |
| 534E0273C01 | 3-25 | 639A0151H01 | 19-7 | 913A0047H04 | 20-14 |
| 534E0437C01 | 3-25 | 639A0151H01 | 19-9 | 913A0092G01 | 6-17 |
| 534E0521C01 | 4-24 | 639A0151H01 | 19-10 | 913A0092G01 | 19-11 |
| 534M0602G02 | 4-21 | 639A0151H01 | 20-11 | 913A0092G01 | 21-6 |
| 535A0015H01 | 5-19 | 639A0151H01 | 21-12 | 913A0092G02 | 6-17 |
| 535A0181H09 | 5-20 | 649A0890H01 | 1-13 | 913A0092G02 | 19-11 |
| 535A0181H10 | 5-20 | 649A0890H01 | 2-14 | 913A0092G02 | 21-6 |

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| ITEM NUMBER | FIG. & INDEX NO. | ITEM NUMBER | FIG. & INDEX NO. | ITEM NUMBER | FIG. & INDEX NO. |
|-------------|------------------|-------------|------------------|-------------|------------------|
| 913A0092G03 | 6-17 | 947A0003H04 | 6-2 | 950A0232H21 | 5-13 |
| 913A0092G03 | 19-11 | 950A0001H05 | 15-2 | 950A0232H21 | 5-14 |
| 913A0092G03 | 21-6 | 950A0001H06 | 15-2 | 950A0232H21 | 6-4 |
| 913A0092G04 | 6-17 | 950A0001H08 | 15-2 | 950A0232H21 | 7-10 |
| 913A0092G04 | 19-11 | 950A0019H01 | 1-12 | 950A0232H21 | 10-4 |
| 913A0092G04 | 21-6 | 950A0019H01 | 2-12 | 950A0232H21 | 11-1 |
| 913A0098H01 | 1-13 | 950A0019H01 | 20-6 | 950A0232H21 | 11-2 |
| 913A0098H01 | 2-14 | 950A0019H01 | 21-9 | 950A0232H21 | 20-5 |
| 913A0098H01 | 5-18 | 950A0019H02 | 1-12 | 950A0232H21 | 20-7 |
| 913A0098H01 | 6-16 | 950A0019H02 | 2-12 | 950A0232H21 | 20-13 |
| 913A0098H01 | 21-12 | 950A0019H02 | 20-6 | 950A0232H22 | 1-15 |
| 913A0100H01 | 1-13 | 950A0019H02 | 21-9 | 950A0232H22 | 1-16 |
| 913A0100H01 | 2-14 | 950A0019H03 | 1-12 | 950A0232H22 | 2-11 |
| 913A0100H01 | 5-17 | 950A0019H03 | 2-12 | 950A0232H22 | 2-15 |
| 913A0100H01 | 6-15 | 950A0019H03 | 20-6 | 950A0232H22 | 6-5 |
| 913A0100H01 | 20-11 | 950A0019H03 | 21-9 | 950A0232H22 | 7-10 |
| 913A0100H01 | 21-12 | 950A0019H04 | 1-12 | 950A0232H22 | 7-11 |
| 913A0123H01 | 6-12 | 950A0019H04 | 2-12 | 950A0232H22 | 9-2 |
| 913A0123H11 | 6-12 | 950A0019H04 | 20-6 | 950A0232H22 | 10-4 |
| 913A0124H01 | 16-1 | 950A0019H04 | 21-9 | 950A0232H22 | 10-4 |
| 913A0124H01 | 19-6 | 950A0065H05 | 10-5 | 950A0232H22 | 11-1 |
| 913A0124H01 | 20-18 | 950A0068H25 | 9-5 | 950A0232H22 | 11-2 |
| 913A0124H01 | 21-17 | 950A0069H04 | 10-3 | 950A0232H22 | 12-1 |
| 913A0124H02 | 16-1 | 950A0069H05 | 10-3 | 950A0232H22 | 14-2 |
| 913A0124H02 | 19-6 | 950A0069H06 | 10-3 | 950A0232H22 | 15-3 |
| 913A0124H02 | 20-18 | 950A0069H07 | 9-5 | 950A0232H22 | 20-4 |
| 913A0124H02 | 21-17 | 950A0069H07 | 12-3 | 950A0232H22 | 20-5 |
| 914A0015H01 | 9-15 | 950A0069H22 | 10-3 | 950A0232H22 | 21-5 |
| 914A0015H01 | 10-1 | 950A0069H23 | 10-3 | 950A0232H22 | 21-7 |
| 914A0015H01 | 12-8 | 950A0069H24 | 10-3 | 950A0232H31 | 1-11 |
| 914A0015H02 | 10-1 | 950A0069H25 | 12-3 | 950A0232H31 | 1-15 |
| 914A0015H02 | 10-1 | 950A0069H34 | 10-3 | 950A0232H31 | 5-13 |
| 914A0015H05 | 9-15 | 950A0069H35 | 10-3 | 950A0232H31 | 5-14 |
| 914A0015H05 | 10-1 | 950A0069H36 | 10-3 | 950A0232H31 | 6-4 |
| 914A0015H05 | 12-8 | 950A0069H37 | 9-5 | 950A0232H31 | 7-10 |
| 914A0015H06 | 9-15 | 950A0069H37 | 12-3 | 950A0232H31 | 10-4 |
| 914A0015H06 | 10-1 | 950A0075H06 | 9-10 | 950A0232H31 | 11-1 |
| 914A0015H06 | 12-8 | 950A0075H06 | 21-4 | 950A0232H31 | 11-2 |
| 914A0015H07 | 10-1 | 950A0075H08 | 9-10 | 950A0232H31 | 20-5 |
| 914A0015H08 | 10-1 | 950A0075H08 | 21-4 | 950A0232H31 | 20-7 |
| 914A0057H01 | 10-1 | 950A0075H26 | 9-10 | 950A0232H31 | 20-13 |
| 914A0057H02 | 10-1 | 950A0075H26 | 21-4 | 950A0232H32 | 1-15 |
| 914A0057H02 | 10-1 | 950A0075H28 | 9-10 | 950A0232H32 | 1-16 |
| 944A0010H01 | 5-21 | 950A0075H28 | 21-4 | 950A0232H32 | 2-11 |
| 944A0108H05 | 9-7 | 950A0075H46 | 9-10 | 950A0232H32 | 2-15 |
| 944A0108H05 | 12-5 | 950A0075H46 | 21-4 | 950A0232H32 | 6-5 |
| 944A0126H06 | 9-11 | 950A0075H48 | 9-10 | 950A0232H32 | 7-10 |
| 944A0126H08 | 9-11 | 950A0075H48 | 21-4 | 950A0232H32 | 7-11 |
| 944A0246H15 | 1-17 | 950A0195H01 | 9-3 | 950A0232H32 | 9-2 |
| 944A0246H19 | 15-5 | 950A0195H01 | 21-3 | 950A0232H32 | 10-4 |
| 944A0296H08 | 4-13 | 950A0195H03 | 9-3 | 950A0232H32 | 10-4 |
| 944A0358H04 | 3-12 | 950A0195H03 | 21-3 | 950A0232H32 | 11-1 |
| 944A0358H05 | 3-12 | 950A0195H11 | 9-3 | 950A0232H32 | 11-2 |
| 944A0360G10 | 7-8 | 950A0195H11 | 21-3 | 950A0232H32 | 12-1 |
| 944A0360G10 | 15-4 | 950A0195H12 | 9-3 | 950A0232H32 | 14-2 |
| 944A0360G11 | 7-8 | 950A0195H12 | 21-3 | 950A0232H32 | 15-3 |
| 944A0360G11 | 15-4 | 950A0232H21 | 1-11 | 950A0232H32 | 20-4 |
| 947A0003H04 | 5-16 | 950A0232H21 | 1-15 | 950A0232H32 | 20-5 |

| ITEM NUMBER | FIG. & INDEX NO. | ITEM NUMBER | FIG. & INDEX NO. | ITEM NUMBER | FIG. & INDEX NO. |
|-------------|------------------|-------------|------------------|-------------|------------------|
| 950A0232H32 | 21-5 | 950A0233H51 | 1-15 | 950A0233H62 | 20-5 |
| 950A0232H32 | 21-7 | 950A0233H51 | 5-13 | 950A0233H62 | 21-5 |
| 950A0232H41 | 1-11 | 950A0233H51 | 5-14 | 950A0233H62 | 21-7 |
| 950A0232H41 | 1-15 | 950A0233H51 | 6-4 | 950A0237H02 | 1-15 |
| 950A0232H41 | 5-13 | 950A0233H51 | 7-10 | 950A0237H02 | 7-10 |
| 950A0232H41 | 5-14 | 950A0233H51 | 10-4 | 950A0237H02 | 10-4 |
| 950A0232H41 | 6-4 | 950A0233H51 | 11-1 | 950A0237H02 | 20-5 |
| 950A0232H41 | 7-10 | 950A0233H51 | 11-2 | 950A0237H03 | 1-15 |
| 950A0232H41 | 10-4 | 950A0233H51 | 20-5 | 950A0237H03 | 7-10 |
| 950A0232H41 | 11-1 | 950A0233H51 | 20-7 | 950A0237H03 | 10-4 |
| 950A0232H41 | 11-2 | 950A0233H51 | 20-13 | 950A0237H03 | 20-5 |
| 950A0232H41 | 20-5 | 950A0233H52 | 1-15 | 950A0241H07 | 1-14 |
| 950A0232H41 | 20-7 | 950A0233H52 | 1-16 | 950A0241H07 | 20-8 |
| 950A0232H41 | 20-13 | 950A0233H52 | 2-11 | 950A0241H08 | 1-14 |
| 950A0232H42 | 1-15 | 950A0233H52 | 2-15 | 950A0241H08 | 20-8 |
| 950A0232H42 | 1-16 | 950A0233H52 | 6-5 | 950A0241H09 | 1-14 |
| 950A0232H42 | 2-11 | 950A0233H52 | 7-10 | 950A0241H09 | 2-13 |
| 950A0232H42 | 2-15 | 950A0233H52 | 7-11 | 950A0241H09 | 20-8 |
| 950A0232H42 | 6-5 | 950A0233H52 | 9-2 | 950A0241H09 | 21-10 |
| 950A0232H42 | 7-10 | 950A0233H52 | 10-4 | 950A0241H10 | 2-13 |
| 950A0232H42 | 7-11 | 950A0233H52 | 10-4 | 950A0241H10 | 21-10 |
| 950A0232H42 | 9-2 | 950A0233H52 | 11-1 | 950A0245H01 | 11-1 |
| 950A0232H42 | 10-4 | 950A0233H52 | 11-2 | 950A0245H02 | 11-1 |
| 950A0232H42 | 10-4 | 950A0233H52 | 12-1 | 950A0245H03 | 1-16 |
| 950A0232H42 | 11-1 | 950A0233H52 | 14-2 | 950A0245H03 | 7-11 |
| 950A0232H42 | 11-2 | 950A0233H52 | 15-3 | 950A0245H03 | 11-1 |
| 950A0232H42 | 12-1 | 950A0233H52 | 20-4 | 950A0245H03 | 20-4 |
| 950A0232H42 | 14-2 | 950A0233H52 | 20-5 | 950A0245H05 | 11-1 |
| 950A0232H42 | 15-3 | 950A0233H52 | 21-5 | 950A0282H01 | 7-9 |
| 950A0232H42 | 20-4 | 950A0233H52 | 21-7 | 950A0282H01 | 8-3 |
| 950A0232H42 | 20-5 | 950A0233H61 | 1-11 | 950A0282H01 | 20-15 |
| 950A0232H42 | 21-5 | 950A0233H61 | 1-15 | 950A0282H11 | 7-9 |
| 950A0232H42 | 21-7 | 950A0233H61 | 5-13 | 950A0282H11 | 8-3 |
| 950A0233H01 | 1-11 | 950A0233H61 | 5-14 | 950A0282H11 | 20-15 |
| 950A0233H01 | 5-13 | 950A0233H61 | 6-4 | 950A0289G01 | 11-3 |
| 950A0233H01 | 6-4 | 950A0233H61 | 7-10 | 950A0289G02 | 11-3 |
| 950A0233H01 | 7-7 | 950A0233H61 | 10-4 | 950A0289G03 | 11-3 |
| 950A0233H01 | 20-7 | 950A0233H61 | 11-1 | 950A0289G04 | 11-3 |
| 950A0233H01 | 21-18 | 950A0233H61 | 11-2 | 950A0289G05 | 11-3 |
| 950A0233H02 | 5-14 | 950A0233H61 | 20-5 | 950A0289H01 | 11-3 |
| 950A0233H02 | 11-2 | 950A0233H61 | 20-7 | 950A0289H02 | 11-3 |
| 950A0233H02 | 20-13 | 950A0233H61 | 20-13 | 950A0289H11 | 11-3 |
| 950A0233H03 | 2-11 | 950A0233H62 | 1-15 | 950A0289H21 | 11-3 |
| 950A0233H03 | 6-5 | 950A0233H62 | 1-16 | 950A0289H22 | 11-3 |
| 950A0233H03 | 10-4 | 950A0233H62 | 2-11 | 950A0289H23 | 11-3 |
| 950A0233H03 | 11-2 | 950A0233H62 | 2-15 | 950A0289H31 | 11-3 |
| 950A0233H03 | 21-7 | 950A0233H62 | 6-5 | 950A0289H32 | 11-3 |
| 950A0233H04 | 2-15 | 950A0233H62 | 7-10 | 950A0289H33 | 11-3 |
| 950A0233H04 | 11-2 | 950A0233H62 | 7-11 | 950A0290H01 | 11-3 |
| 950A0233H04 | 15-3 | 950A0233H62 | 9-2 | 950A0290H02 | 11-3 |
| 950A0233H04 | 21-5 | 950A0233H62 | 10-4 | 950A0290H21 | 11-3 |
| 950A0233H05 | 2-15 | 950A0233H62 | 10-4 | 950A0290H22 | 11-3 |
| 950A0233H05 | 9-2 | 950A0233H62 | 11-1 | 950A0290H25 | 11-3 |
| 950A0233H05 | 12-1 | 950A0233H62 | 11-2 | 950A0290H25 | 11-3 |
| 950A0233H05 | 14-2 | 950A0233H62 | 12-1 | 950A0290H26 | 11-3 |
| 950A0233H05 | 15-3 | 950A0233H62 | 14-2 | 950A0290H26 | 11-3 |
| 950A0233H05 | 21-5 | 950A0233H62 | 15-3 | 950A0291H01 | 11-3 |
| 950A0233H51 | 1-11 | 950A0233H62 | 20-4 | 950A0291H02 | 11-3 |

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| ITEM NUMBER | FIG. & INDEX NO. | ITEM NUMBER | FIG. & INDEX NO. | ITEM NUMBER | FIG. & INDEX NO. |
|-------------|------------------|-------------|------------------|-------------|------------------|
| 950A0291H21 | 11-3 | 954A0062H23 | 21-15 | 956A0025H28 | 15-1 |
| 950A0291H21 | 11-3 | 954A0062H28 | 21-15 | 956A0051H01 | 3-6 |
| 950A0292H01 | 1-3 | 954A0062H33 | 21-15 | 956A0051H01 | 20-9 |
| 950A0292H01 | 2-10 | 954A0062H38 | 21-15 | 956A0051H02 | 3-6 |
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