



S70-400 SPL/AUG 2002

File: SERVICE MANUAL - Section 70
Replaces: S70-400 SPL/AUG 2001
Dist: 3, 3a, 3b, 3c

Service Parts List

RXF

ROTARY SCREW COMPRESSOR UNITS

WITH

QUANTUM™ CONTROL

MODELS: RXF 12 through 101



HOW TO USE SERVICE PARTS LIST

This Service Parts List is for standard Frick RFX, 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.

TABLE OF CONTENTS

RECOMMENDED SPARE PARTS - CURRENT STANDARD DESIGN	3
Figure 1. General Arrangement, Typical, RFX 12—50.	4
Figure 2. General Arrangement, Typical, RFX 58—101.	6
Figure 3. Compressor, XJF 95 & 120, RFX 12—50.	8
Figure 4. Compressor, Typical, XJF 151, RFX 58—101.	10
Figure 5. Oil Separator, Typical, RFX 12—50.	12
Figure 6. Oil Separator, Typical, RFX 58—101.	14
Figure 7. Oil Cooler Piping, Typical, WCOC Shown.	16
FRICK FLANGE GASKETS	19
Figure 8. Plate Oil Cooler Piping, Typical, RFX 12—50.	20
Figure 9. Plate Oil Cooler Piping, Current, RFX 58—101.	22
Figure 10. Oil Pump and Piping, Typical, RFX 12—50.	24
Figure 11. Oil Pump Piping, Typical, RFX 58—101.	26
Figure 12. Liquid Injection Piping, Typical.	28
Figure 13. Piping, Pump & Liquid Injection, Current, RFX 58—101.	32
Figure 14. Oil Filter, Standard, RFX 58—101.	34
Figure 15. Dual Oil Filter, Typical, RFX 58—101.	35
Figure 16. Economizer Kit, Typical.	36
Figure 17. Transducer Piping Assembly.	37
Figure 18. Drive Coupling.	37
Figure 19. 2" Discharge Stop/Check Valve Assembly, RFX 12—17 (Frick).	38
Figure 20. 3" Discharge Stop/Check Valve Assembly, RFX 24—50 (Frick).	40
Figure 21. 3" Discharge Stop Valve Assembly, RFX 24—68 (Gram).	42
Figure 22. 4" Discharge Stop/Check Valve Assembly, RFX 58—101 (Frick).	44
Figure 23. 4" Discharge Stop Valve Assembly, RFX 58—101 (Gram).	46
Figure 24. 2-1/2—4" Discharge Stop/Check Valve, Current (Danfoss).	48
Figure 25. Microprocessor Control Center, Standard.	50
Figure 26. RFX Plus Microprocessor Control Panel.	52
Figure 27. Quantum™ Control Panel, RFX 12 — 50.	54
Figure 28. Quantum™ Control Panel, RFX 58 — 101.	56
Figure 29. Wiring Harness Assembly, RFX 58 — 101.	58
VALVE CROSS REFERENCE	60
FRICK BLUE PAINT	60
FRICK COMPRESSOR OILS	60
REMANUFACTURED QUANTUM PARTS	60
DISPLAY ASSEMBLY COMPONENT REPLACEMENT GUIDE	61
MISCELLANEOUS TUBING AND CONNECTORS	61
NUMERICAL PARTS LIST	62

RECOMMENDED SPARE PARTS - CURRENT STANDARD DESIGN

DESCRIPTION	QTY.	MODEL	ITEM NUMBER
QUANTUM™ CONTROL:			
Assembly, VGA Display, Phillips* (Display only 649C1078H01)	1	ALL	640C0052G01
Assembly, VGA Display, Sharp (Display only 333Q0001581)	1	ALL	640C0021G01
Inverter (part of 640C0052G01 Assembly above)	1	ALL	333Q0001582
Power Supply	1	ALL	640C0022G01
Cable CCFT Backlight Inverter and Display	1	ALL	649D4824H01
Keypad, Overlay	1	ALL	640D0060H01
Circuit Board, Main (Arcom, Quantum™ IV)	1	ALL	649C1091G01
Board, Analog	1	ALL	640C0026G01
Board, Digital	1	ALL	640C0024G01
Module, Output, 280V (For 115/230V)	2	ALL	111Q0281061
Module, Input, 90-140V (For 115V)	1	ALL	333Q0000116
Fuse, 5 Amp, 250V, Digital Board	4	ALL	333Q0001326
Relay, 3PDT, 115V	1	ALL	333Q0000206
Relay, 2PDT, 24VDC	1	ALL	333Q0001095
Fuse, 2 Amp, 24 VDC, Quantum™ Panel	1	ALL	333Q0001672
UNIT:			
Sensor, Temperature Probe	1	12—50	640A0035H01
Sensor, Temperature Probe	1	58—101	913A0101H11
Transducer, Pressure, 0—200 PSIA (with Quantum™)	1	ALL	913A0110H01
Transducer, Pressure, 0—500 PSIA (with Quantum™)	1	ALL	913A0110H02
Potentiometer Service Kit	1	ALL	111Q0045464
Valve, Solenoid, Vickers 120/60 & 110/50	1	12—50	951A0056H39
Valve, Solenoid, Vickers 120/60 & 110/50	1	58—101	951A0092H01
Coil For 951A0056H39 Above	2	12—50	951A0056H40
Coil For 951A0092H01 Above	1	58—101	951A0092H04
Heater, Oil, 500W, 120V	1	ALL	913A0092G01
Switch, Liquid Level w/2" Reducing Bushing (See Fig. 5)	1	ALL	536A1419H01
Switch, Liquid Level w/1" Reducing Bushing (See Fig. 5)	1	12—50	913A0086H01
Filter, Coalescing	1	12—19	531B0065H06
Filter, Coalescing	1	24—50	531B0065H03
Filter, Coalescing	1	58—68	531B0065H01
Filter, Coalescing	2	58—101	531B0065H01
Gasket, Separator Access Cover	1	12—19	959A0090H02
Gasket, Separator Access Cover	1	24—50	959A0090H03
Gasket, Separator Manway	1	58 & 68	531A0105H03
Gasket, Separator Manway	1	85 & 101	531A0105H04
Cartridge, Oil Filter, SuperFilter™ (Required for 1-2-3 Warranty)	1	12—50	535A0354H01
Element, Filter, Oil, SuperFilter™ (Required for 1-2-3 Warranty)	1	58—101	531A0224H01
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	111Q0043231
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.

* Phillips Display cannot be used on Quantum™ I & II boards due to voltage differences. Use Sharp Display.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
1—	535D0316	RXF 12, R-22 & R-717, Screw Compressor Unit	Ref.	F	
	535D0315	RXF 15 & 19, R-22 & R-717, Screw Compressor Unit	Ref.	F	
	535D0246	RXF 24, R-22 & R-717, Screw Compressor Unit	Ref.	S	
	535D0247	RXF 30 & 39, R-22 & R-717, Screw Compressor Unit	Ref.	F	
	535D0233	RXF 50, R-22 & R-717, Screw Compressor Unit	Ref.	T	
—1	535A0251H01	Head, Oil Filter, 1-1/4" NPT, Original	1		
	535A0352H01	Head, Oil Filter, 1" SAE, Current	1		
—2	535A0249H01	Cartridge, Oil Filter, 3-3/4 x 9-1/2", Original	1		
	535A0354H01	Cartridge, Oil Filter, 4-5/8 x 11-5/8", SuperFilter™ (1)	1		
—3	955A0008H01	Valve, Needle, 1/4"	2		NV
—4	—	Quantum/Micro Control Center (See Figures 25—28)	1		
—5	—	Screw Compressor (See Figure 3)	1		
—6	—	Drive Coupling (See Figure 18)	1		
—7	—	Oil Separator and Safety Relief Valve (See Figure 5)	Ref.		
—8	—	Transducer Assembly (See Figure 17)	Ref.		
—9	—	Oil Pump Piping (See Figure 10)	Ref.		
—10	—	Discharge Stop/Check Valve (See Figure 24)	Ref.		
—11	950A0233H02	Valve, SW, Angle, SC, 3/4", Danfoss	2		
—12	950A0019H01	Strainer, 1/2" FPT (Flange Gasket 950A0019H02)	1		STR
	950A0019H04	Kit, Screen w/Gasket (Gasket only 950A0019H03)	1		
—13	640A0035H01	Sensor, Temperature (2)	1		TE
—14	957A0003H01	Valve, Angle, Seal Cap, 1/4"	1		
—15	956A0031H09	Valve, Check, 10 psig, 1/4" (optional)	1		
	956A0031H10	Valve, Check, 40 psig, 1/4" (optional)	1		
—16	950A0240H07	Valve, WIL, Angle, HW, 2-1/2" Danfoss, R-717	1		
	950A0241H07	Valve, WIL, Angle, SC, 2-1/2" Danfoss, R-22	1		
	950A0240H08	Valve, WIL, Angle, HW, 3" Danfoss, R-717	1		
	950A0241H08	Valve, WIL, Angle, SC, 3" Danfoss, R-22	1		
—17	950A0237H03	Valve, Angle, THD, SC, 1", Danfoss	1		
—18	950A0233H03	Valve, Angle, SW, SC, 1", Danfoss (3)	1		
	950A0245H03	Valve, Globe, SW, SC, 1", Danfoss (3)	1		
—19	944A0246H15	Adapter, 1" FPT x 1" SAE (o-ring only 980A0012K69)	1		
—20	535A0356H01	Bushing, Orifice (o-ring only 980A0012K69)	1		
		(1) Required for 1-2-3 Warranty.			
		(2) See Figure 5.			
		(3) This valve is located on the opposite side of the Oil Filter cartridge from item 1—17 when the optional Oil Filter Isolation Valve Kit is installed.			

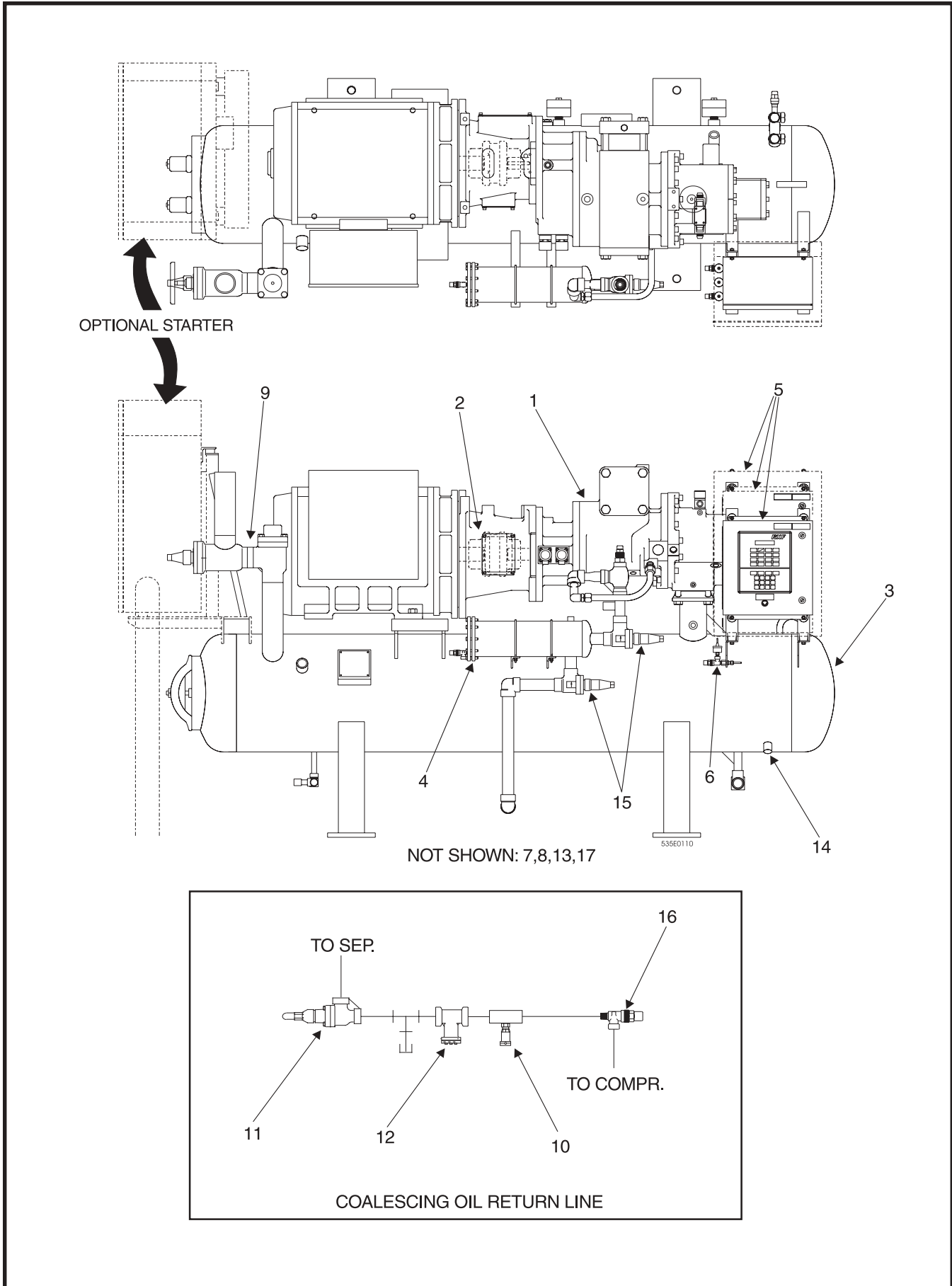


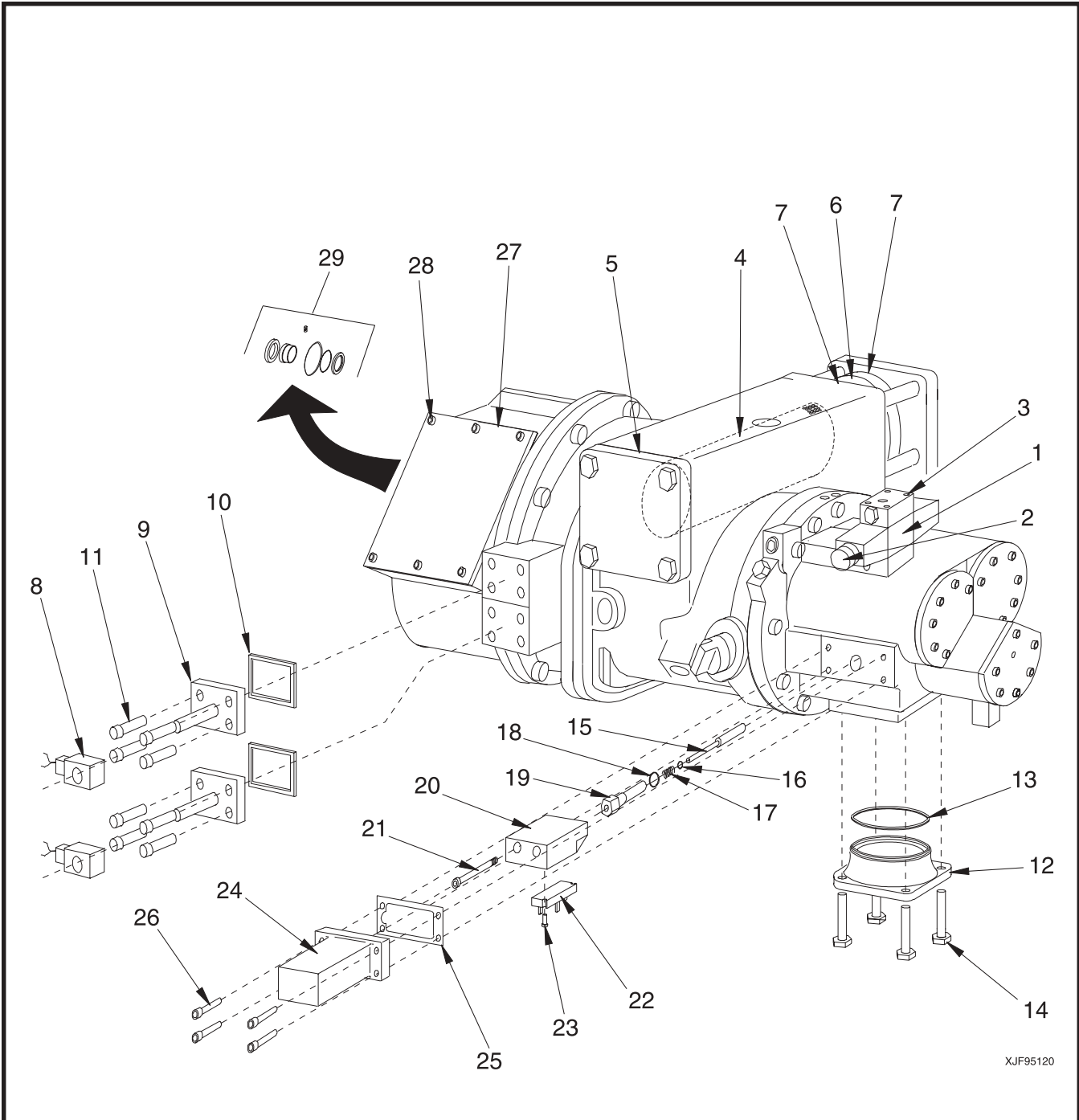
Figure 2. General Arrangement, Typical, RXF 58—101.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
2—	535E0110 535E0111	RXF 58 & 68, R-22 & R-717, Screw Compressor Unit RXF 85 & 101, R-22 & R-717, Screw Compressor Unit	Ref. Ref.	G G	
—1	—	Screw Compressor (See Figure 4)	1		
—2	—	Coupling, Drive (See Figure 18)	1		
—3	—	Oil Separator and Safety Valve (See Figure 6)	1		
—4	—	Oil Filter (See Figure 14)	1		
—5	—	Quantum/Micro Control Center (See Figure 25, 26 & 28)	1		
—6	—	Transducer Assembly (See Figure 17)	Ref.		
—7	—	Oil Pump Piping (See Figure 11)	Ref.		
—8	—	Oil Cooler Piping (See Figure 9)	Ref.		
—9	—	Discharge Stop/Check Valve (See Figure 24)	1		
—10	955A0008H01	Valve, Needle, 1/4"	2		NV
—11	950A0233H03	Valve, Angle, Seal Cap, 1" Danfoss	2		
—12	950A0019H01	Strainer, 1/2" FPT (Flange Gasket 950A0019H02)	1		STR
	950A0019H04	Kit, Screen w/Gasket (Gasket only 950A0019H03)	1		
—13*	950A0240H09	Valve, WIL, Angle, Handwheel, 4", Danfoss, R-717	1		
	950A0241H09	Valve, WIL, Angle, Seal Cap, 4", Danfoss, R-22	1		
	950A0240H10	Valve, WIL, Angle, Handwheel, 5", Danfoss, R-717	1		
	950A0241H10	Valve, WIL, Angle, Seal Cap, 5", Danfoss, R-22	1		
—14	913A0101H01	Assembly, Temperature Sensor ⁽¹⁾	4		TE
	913A0101H11	Sensor, Temperature, less Well ⁽¹⁾	4		TE
—15	950A0233H04	Valve, Angle, Seal Cap, 1-1/4", Danfoss	2		
	950A0233H05	Valve, Angle, Seal Cap, 1-1/2", Danfoss	2		
—16	957A0003H01	Valve, Angle, Seal Cap, 1/4"	1		
—17	956A0031H09	Valve, Check, 10 psig, 1/4"	1		
	956A0031H10	Valve, Check, 40 psig, 1/4"	1		
	956A0031H07	Valve, Check, 10 PSIG, 3/8"	1		
	956A0031H03	Valve, Check, 15 PSIG, 3/8"	1		
	945A0031H01	Valve, Check, 20 PSIG, 3/8"	1		
	956A0031H11	Valve, Check, 40 PSIG, 3/8"	1		
	956A0031H08	Valve, Check, 10 PSIG, 1/2"	1		
	956A0031H04	Valve, Check, 15 PSIG, 1/2"	1		
	956A0031H02	Valve, Check, 20 PSIG, 1/2"	1		
	956A0031H12	Valve, Check, 40 PSIG, 1/2"	1		

* Not shown, shipped loose.
 (1) Current sensor 913A0101H11 used from 4/01, has a DIN connector. 640A0035H01 used prior. See Figure 6 .

S/N BREAKS ⁽²⁾	
RXF MODEL	S/N
58	X0180...
68	X0265...
85	X0211...
101	X0291...

(2) These unit serial numbers show the beginnings of those that are manufactured as of 4/16/01. The changes include the Danfos GVD Discharge Valve (Fig. 24), Demand Pump (Fig. 13), Plate Oil Cooler (Fig. 9), and Still Chamber/Dropleg on Separator. If your unit s/n is within 15 numbers of those above, and you cannot visually determine if it has the new technologies, contact the factory for assistance with identification. This publication also displays many parts breakdowns for units made prior to the above listing.



XJF95120

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

Figure 3. Compressor, XJF 95 & 120, RXF 12—50.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
3—	534E0452	Compressor, XJF95S, M, L, RXF 12—19	Ref.	J	
	534E0305	Compressor, XJF120S, M, L, RXF 24—50	Ref.	S	
—1	—	Valve, Solenoid, Continental ⁽¹⁾⁽²⁾⁽³⁾	1		
	951A0056H39	Valve, Solenoid, 120-60, 110-50, Vickers ⁽¹⁾⁽²⁾⁽³⁾	1		
	951A0056H41	Valve, Solenoid, 240-60, 220-50, Vickers ⁽¹⁾⁽²⁾⁽³⁾	1		
	951A0056H43	Valve, Solenoid, 240-50, Vickers ⁽¹⁾⁽²⁾⁽³⁾	1		
	951A0056H34	Seal Kit, Solenoid Valve, Vickers ⁽³⁾	1		
—2	951A0056H40	Coil, 120-60, 110-50 ⁽³⁾	2		
	951A0056H42	Coil, 240-60, 220-50 ⁽³⁾	2		
	951A0056H44	Coil, 240-50 ⁽³⁾	2		
—3	111Q0740878	Capscrew, Socket Head, M5 x 30mm ⁽³⁾	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	956A0015H08	Valve, Check, (Mission Duo-Check), RXF 12—15 ⁽³⁾	1		
	956A0015H01	Valve, Check, (Mission Duo-Check), RXF 19—24 ⁽³⁾	1		
	956A0015H02	Valve, Check, (Mission Duo-Check), RXF 30—50 ⁽³⁾	1		
—7	959A0054H07	Gasket, Flange, RXF 12—15	2		
	959A0054H08	Gasket, Flange, RXF 19—24	2		
	959A0054H10	Gasket, Flange, RXF 30—50	2		
—8	951A0054H01	Coil, Solenoid Valve, 110-120VAC	2		
	951A0054H03	Coil, Solenoid Valve, 220-240VAC	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	111Q0740741	Capscrew, Socket Head, M20 x 60mm	4		
	534D0388	Slide Valve Indication Mechanism (Microprocessor)	Ref.		
—15	534B0185H01	Rod, Indicator, RXF 12—19	1		
	534B0235H01	Rod, Indicator, RXF 24—50	1		
—16	980A0014A10	O-ring	1		
—17	534A0148H01	Spring, Compression	1		
—18	980A0012K62	O-ring	1		
—19	534C0382H01	Guide, Indicator Rod	1		
—20	534C0625H01	Support, Potentiometer	1		
—21	111Q0740839	Capscrew, Socket Head, M8 x 100 mm	2		
	534C0096H05	Lockwasher, 8mm	2		
—22	534B0293H01	Potentiometer (Service Kit 111Q0045464)	1		
—23	111Q0740784	Screw, Machine, #1-72UNF x 1/2"	2		
—24	534C0432C01	Cover	1		
—25	534B0110H01	Gasket	1		
—26	901A0085H04	Capscrew, Socket Head, M8 x 20	4		
	534C0096H05	Lockwasher, 8mm	4		
—27	534C0709H01	Gasket, Cover Plate, RXF 24—50	2		
	—	Support, Motor, RXF 12—50	Ref.		
—28	534C1011H01	Cover, Access, RXF 12—19	2		
	534C0660H01	Cover, Access, RXF 24—50	2		
	901A0085H04	Capscrew, Socket Head, RXF 12—19	12		
	333Q0000738	Washer, Flat, RXF 12—19	12		
	534A0506H01	Grommet, RXF 12—19	12		
	111Q0740740	Capscrew, Socket Head, RXF 24—50	12		
—29	111Q0043229	Kit, Shaft Seal, XJF 95 (Contains Shaft Seal Tool)	1		
	111Q0043231	Kit, Shaft Seal, XJF 120 (Contains Shaft Seal Tool)	1		

(1) Frick recommends that Continental Valves be replaced with Vickers Valves when capacity control valve components are required. Order 580M0128R01 Vickers Valve Retrofit Kit, which includes the valve (120VAC) and attaching hardware. For other than standard 120VAC, consult factory.

(2) Units built with the solenoid valve **not** mounted on the Compressor will also use the following additional service parts:
1 each 535A0292H05 Subplate, and 1 each 333Q0000517 Socket Head Capscrew Kit.

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

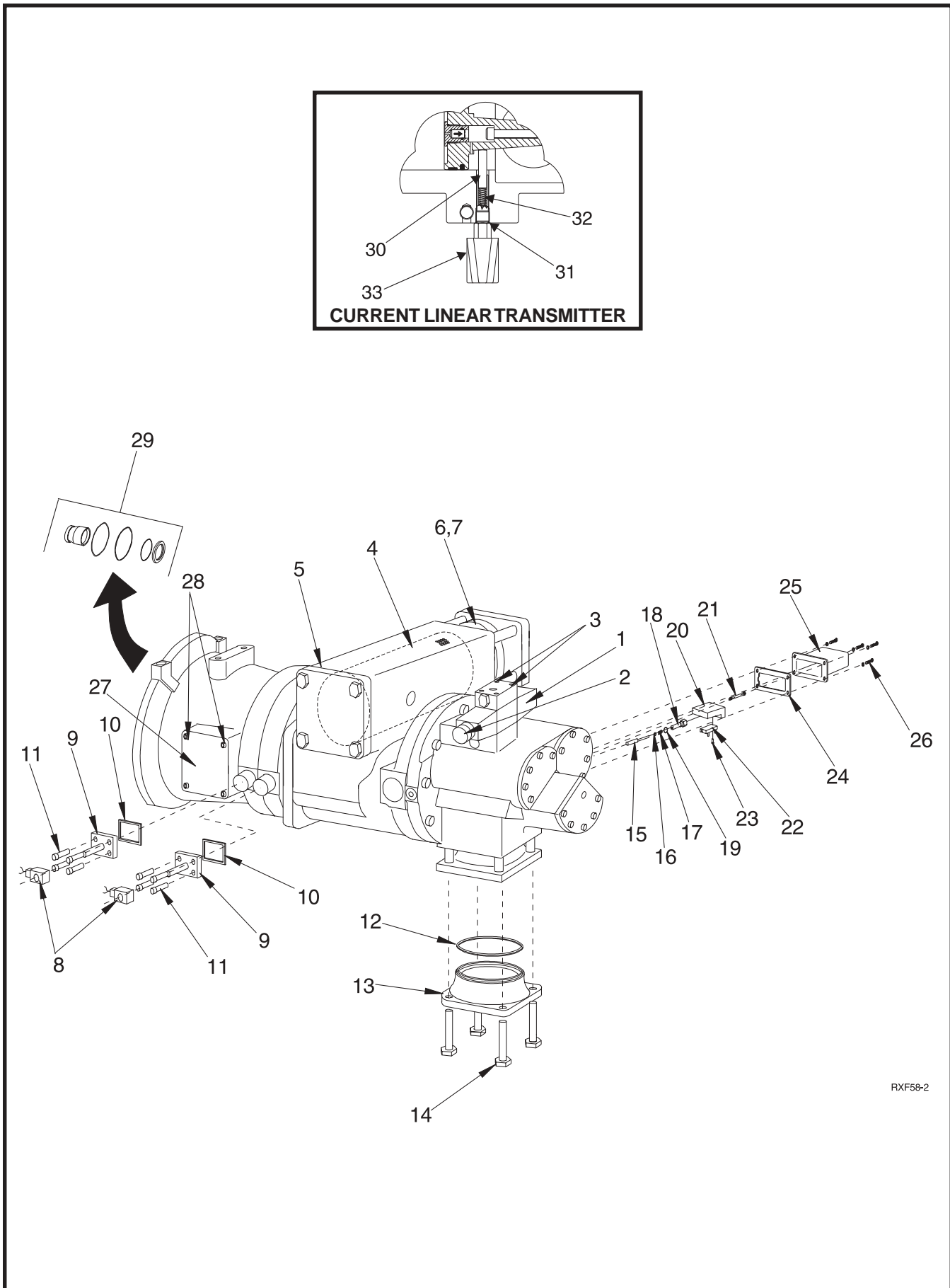


Figure 4. Compressor, Typical, XJF 151, RFX 58—101.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
4—	534E0533G01	Compressor, New, XJF 151A, RXF 58	Ref.	S	
	534E0533S01	Compressor, Remanufactured, XJF 151A, RXF 58	Ref.		
	534E0533G02	Compressor, New, XJF 151M, RXF 68	Ref.	S	
	534E0533S02	Compressor, Remanufactured, XJF 151M, RXF 68	Ref.		
	534E0533G03	Compressor, New, XJF 151L, RXF 85	Ref.	S	
	534E0533S03	Compressor, Remanufactured, XJF 151L, RXF 85	Ref.		
	534E0533G04	Compressor, New, XJF 151N, RXF 101	Ref.	S	
	534E0533S04	Compressor, Remanufactured, XJF 151N, RXF 101	Ref.		
—1	951A0092H01	Valve, Solenoid, 120-60, 110-50, Vickers ⁽¹⁾	1		
	951A0092H02	Valve, Solenoid, 240-60, 220-50, Vickers ⁽¹⁾	1		
	951A0092H03	Valve, Solenoid, 240-50, Vickers ⁽¹⁾	1		
	951A0056H34	Seal Kit, Solenoid Valve, Vickers ⁽¹⁾	1		
—2	951A0092H04	Coil w/DIN connector, 120-60, 110-50 ⁽¹⁾	2		
	951A0092H05	Coil w/DIN connector, 240-60, 220-50 ⁽¹⁾	2		
	951A0092H06	Coil w/DIN connector, 240-50 ⁽¹⁾	2		
—3	111Q0740878	Capscrew, Socket Head, M5 x 30mm ⁽¹⁾	4		
—4	534B0527H01	Strainer, Suction	1		
—5	980A0012B91	O-ring, Suction Flange	1		
—6	956A0015H03	Valve, Check ⁽¹⁾	1		
—7	959A0054H11	Gasket, Check Valve and Suction Flange	2		
—8	951A0054H01	Coil, Solenoid Valve, 110-120 VAC	2		
	951A0054H03	Coil, Solenoid Valve, 220-240 VAC	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	944A0358H06	Flange, Socket Weld, 4"	1		
—14	111Q0740781	Capscrew, Hex Head, M22 x 60mm	4		
	534D0388	Slide Valve Indication Mechanism (Microprocessor)	Ref.		
—15	534B0516H01	Rod, Indicator	1		
—16	980A0014A10	O-ring1			
—17	534A0148H01	Spring, Compression	1		
—18	534C1064H01	Guide, Indicator Rod	1		
—19	980A0012K62	O-ring1			
—20	534C0625H01	Support, Potentiometer	1		
—21	111Q0740839	Capscrew, Socket Head, M8 x 100mm	2		
	534C0096H05	Lockwasher, 8mm	2		
—22	534B0293H01	Potentiometer (Service Kit 111Q0045464)	1		
—23	111Q0740784	Machine Screw, #1-72UNF x 1/2"	2		
—24	534B0110H01	Gasket, Cover	1		
—25	534C0432C01	Cover	1		
—26	901A0085H04	Capscrew, Socket Head, M8 x 20mm	4		
	534C0096H05	Lockwasher, 8mm	4		
	534E0521	Support, Motor	Ref.		
—27	534A0566H01	Plate, Cover, Near Side	1		
	534A0567H01	Plate, Cover, Far Side	1		
—28	901A0085H04	Capscrew, Socket Head, M8 x 20mm	8		
	534A0506H01	Grommet	8		
	333Q0000738	Washer, Flat, M8	8		
—29	534M0602G02	Kit, Shaft Seal	1		
—30	534B0872H01	Rod, Indicator (Quantum™)	1		
—31	980A0012K62	O-ring (Quantum)	1		
—32	534A0032H02	Spring, Compression (Quantum™)	1		
—33	534C1552H01	Transmitter, Linear, Short Stroke (Quantum™)	1		

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

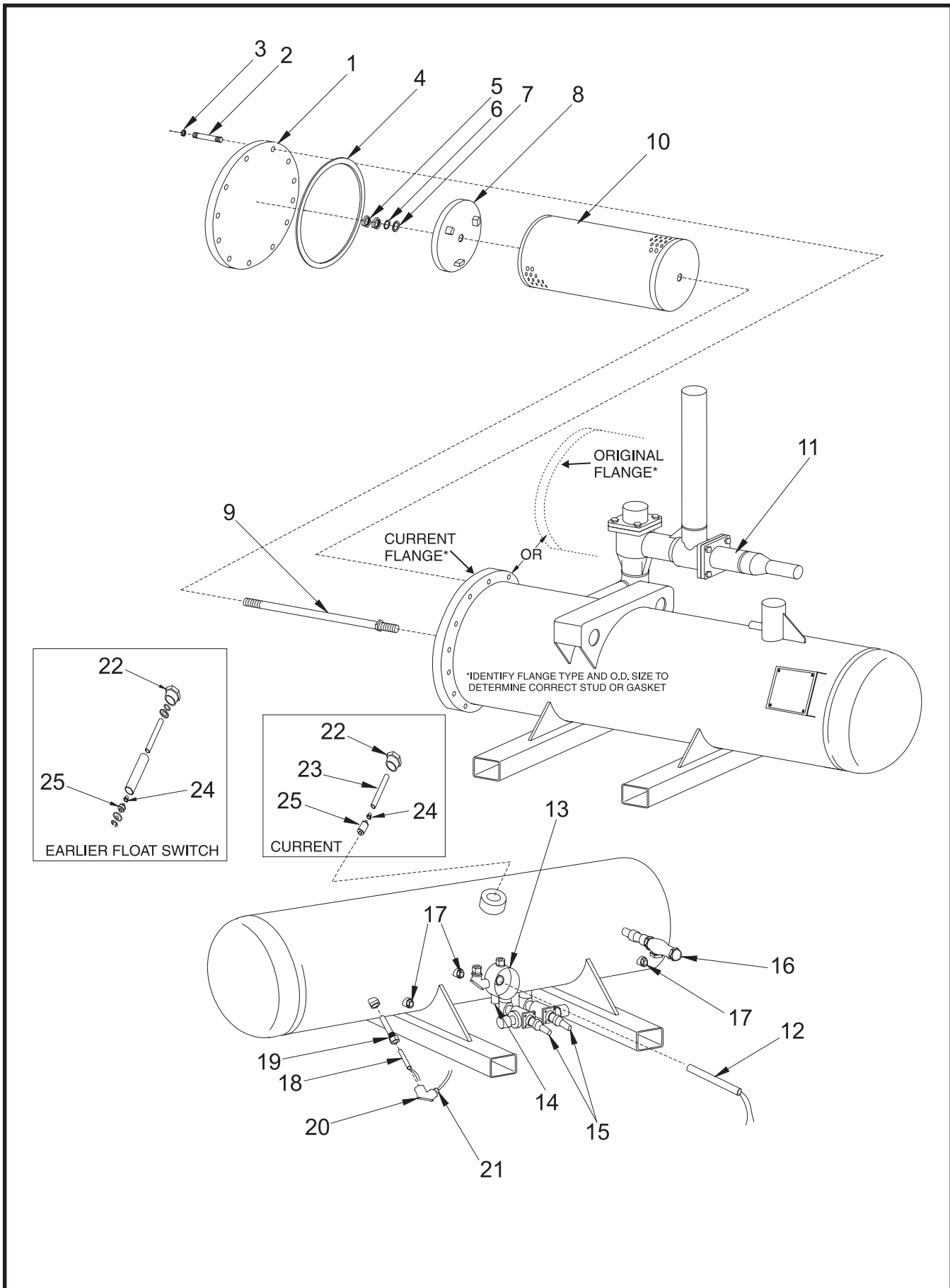


Figure 5. Oil Separator, Typical, RXF 12—50.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
5—	548D1524G01	Oil Separator, 14 x 75", RXF 12—19 (Original)	Ref.	D	
	548D1125G01	Oil Separator, 16 x 75", RXF 24—39 (Original)	Ref.	T	
	548D1061G01	Oil Separator, 16 x 75", RXF 50 (Original)	Ref.	V	
	548E0330G01	Oil Separator, 14 x 75-3/16", RXF 12—19 (Current)	Ref.	A	
	548E0331G01	Oil Separator, 16 x 75-7/16", RXF 24—39 (Current)	Ref.	A	
	548E0332G01	Oil Separator, 16 x 75-7/16", RXF 50 (Current)	Ref.	A	
—1	548C0168H02	Cover, 14" O.D., RXF 12—19 (Original)	1		
	548C0167H02	Cover, 16" O.D., RXF 24—50 (Original)	1		
	548C0509H02	Cover, 17-7/8" O.D., RXF 12—19 (Current)	1		
	548C0509H03	Cover, 19-7/8" O.D., RXF 24—50 (Current)	1		
—2	901A0098H07	Stud, 14" O.D. Cover, 5/8-11 x 3", RXF 12—19 (Original)	12		
	901A0098H08	Stud, 16" O.D. Cover, 5/8-11 x 3-1/4", RXF 24—50 (Original)	16		
	901A0098H13	Stud, 17-7/8" O.D. Cover, 5/8-11 x 4-1/2", RXF 12—19 (Current)	12		
	901A0098H15	Stud, 19-7/8" O.D. Cover, 5/8-11 x 5", RXF 24—50 (Current)	16		
—3	902A0021H03	Nut, Hi-Tensile, 5/8-11 UNC	24-32		
—4	548C0168H03	Gasket, 14" O.D. Cover, RXF 12—19 (Original)	1		
	959A0069H07	Gasket, 16" O.D. Cover, RXF 24—50 (Original)	1		
	959A0090H02	Gasket, 17-7/8" O.D. Cover, RXF 12—19 (Current)	1		
	959A0090H03	Gasket, 19-7/8" O.D. Cover, RXF 24—50 (Current)	1		
—5	902A0021H01	Nut, High Tensile, 1/2-13 UNC	2		
—6	111Q0940051	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		
	531B0065H03	Element, RXF 24—50	1		
—11	—	Valve, Discharge Stop/Check, 2", 12—19 (See Fig. 16)	1		
	—	Valve, Discharge Stop/Check, 3", 24—50 (See Fig. 17 & 18)	1		
—12	913A0047H01	Heater, Oil, 500W, 120VAC	1		HTR
	913A0047H02	Heater, Oil, 500W, 240VAC	1		HTR
—13	111Q0451137	Box, Conduit	1		
—14	111Q0280956	Drain, 1/2"	1		
—15	950A0233H01	Valve, Angle, SW, SC, 1/2" (Danfoss, drain)	1		
	950A0233H02	Valve, Angle, SW, SC, 3/4" (Danfoss, drain)	2		
—16	952A0019H10	Valve, Safety, 1/2" ⁽¹⁾	1		PSV
	952A0020H10	Valve, Safety, 3/4" ⁽¹⁾	1		PSV
—17	947A0003H04	Sight Glass, 1"	3		
—18	111Q0280818	Sensor, Temperature, 3/16 x 4", Version A ⁽²⁾	3-4		TE
	640A0035H01	Sensor, Temperature, 5/16 x 1", Version B ⁽²⁾	3-4		TE
	640A0038H10	Tube, Retainer, Version A & B (cut to length) ⁽²⁾	4		
	640A0033H01	Spring, Retainer, Tube (Version A, 1-3/8" to ϕ of eye) ⁽²⁾	4		
	640A0051H01	Spring, Retainer, Tube (Version B, 7/8" to ϕ of eye) ⁽²⁾	4		
—19	990A0014H01	Well, Temperature Sensor, 3/16" I.D., Version A ⁽²⁾	3-4		
	990A0062H01	Well, Temperature Sensor, 5/16" I.D., Version B ⁽²⁾	3-4		
—20	111Q0290139	Pull, Ell, 3/4", Version A ⁽²⁾	3		
	333Q0001451	Box, Round, 3", Version B ⁽²⁾	3		
—21	111Q0280986	Relief, Strain	1		
	720A0013	Liquid Level Float Switch Assembly	Ref.		
—22	535A0015H01	Bushing, Reducing, 2" NPT x 3/8-18 ⁽³⁾	1		
—23	535A0181H09	Rod, Extension, RXF 12—19	1		
	535A0181H10	Rod, Extension, RXF 24—50	1		
—24	944A0010H01	Bushing	1		
—25	536A1419H01	Switch, Liquid Level Float ⁽³⁾	1		

(1) When replacing Frick ST, LST or AF Safety Valves, see Service Information letter NS-30-95, or contact Frick Parts Center.

(2) **Version A** used prior to 8/97. **Version B** used from 8/97 to current.

(3) If item 5-22 is 1" NPT, then item 5-25 will be 913A0086H01

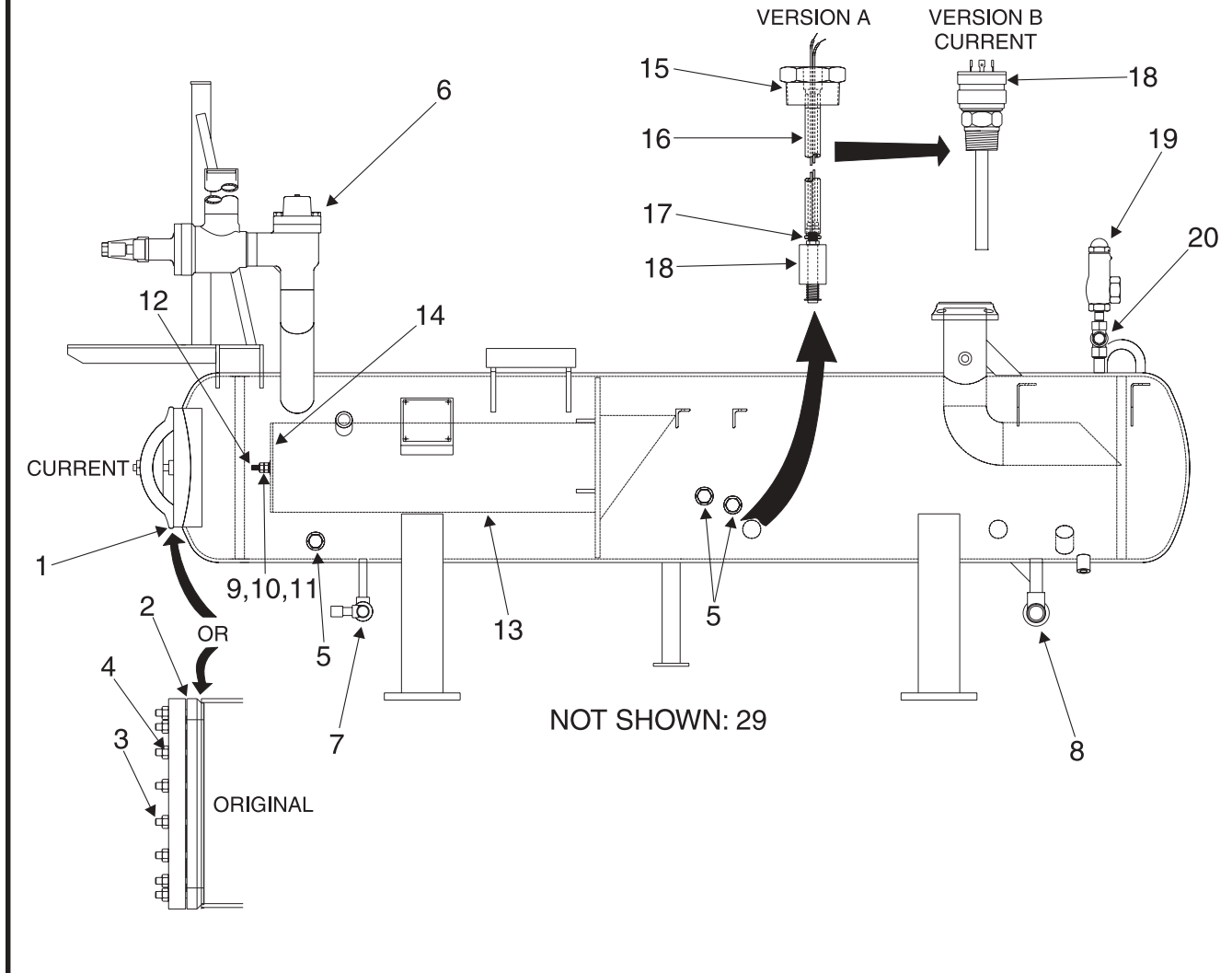
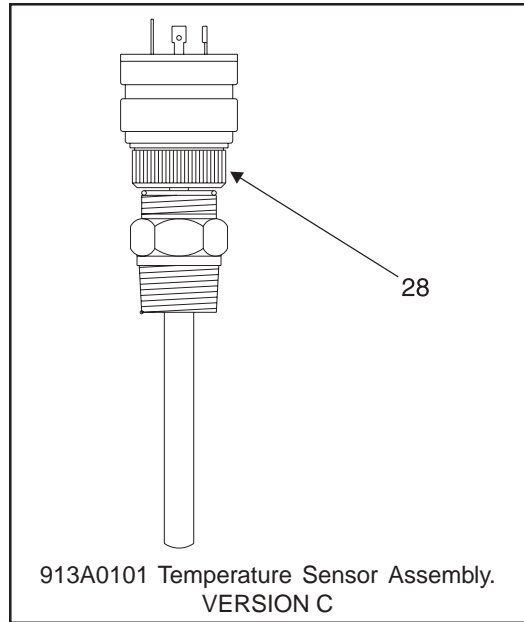
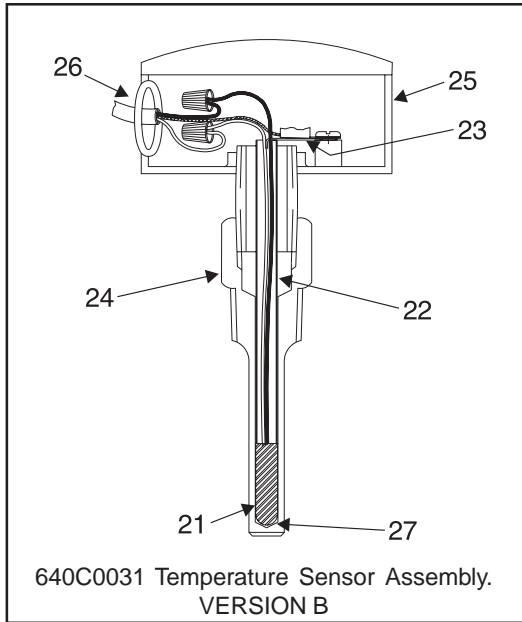


Figure 6. Oil Separator, Typical, RXF 58—101.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
6—	548E0373	Oil Separator, 20 x 107-11/16", RXF 58 & 68	Ref.	A	
	548E0372	Oil Separator, 24 x 112-15/16", RXF 85 & 101	Ref.	A	
—1	531A0105H03	Gasket, Manway, RXF 58 & 68	1		
	531A0105H04	Gasket, Manway, RXF 85 & 101	1		
—2	959A0069H08	Gasket, RXF 58 & 68	1		
	959A0069H09	Gasket, RXF 85 & 101	1		
—3	901A0098H11	Stud, 5/8 NC x 4", RXF 58 & 68	16		
	901A0098H11	Stud, 5/8 NC x 4", RXF 85 & 101	24		
—4	902A0021H03	Nut, Hi-Tensile, 5/8" x 11 NC, RXF 58 & 68	16		
	902A0021H03	Nut, Hi-Tensile, 5/8" x 11 NC, RXF 85 & 101	24		
—5	947A0003H04	Sight Glass, 1"	3		
—6	—	Valve, Discharge, Stop/Check, 3", RXF 58 & 68 (See Fig. 20 & 21)	1		
	—	Valve, Discharge, Stop/Check, 4", RXF 85 & 101 (See Fig. 22 & 23)	1		
—7	950A0233H01	Valve, Angle, SW, SC, 1/2", Danfoss	1		
—8	950A0233H03	Valve, Angle, SW, SC, 1", Danfoss	2		
	—	Filter Assembly, Convoluted Element	Ref.		
—9	111Q0940051	Washer, 1/2", RXF 58 & 68	1		
	111Q0940051	Washer, 1/2", RXF 85 & 101	2		
—10	540D0217H06	Seal Washer, RXF 58 & 68	1		
	540D0217H06	Seal Washer, RXF 85 & 101	2		
—11	902A0021H01	Nut, Hi-Tensile, 1/2", RXF 58 & 68	2		
	902A0021H01	Nut, Hi-Tensile, 1/2", RXF 85 & 101	4		
—12	540D0217G03	Rod, Threaded, 1/2-13NC x 42-3/4", RXF 58 & 68	1		
	540D0217G03	Rod, Threaded, 1/2-13NC x 42-3/4", RXF 85 & 101	2		
—13	531B0065H01	Element, RXF 58 & 68	1		
	531B0065H01	Element, RXF 85 & 101	2		
—14	540D0217G02	Plate, End Assembly, RXF 58 & 68	1		
	540D0217G02	Plate, End Assembly, RXF 85 & 101	2		
—15	535A0015H01	Bushing, Reducer, 2" NPT x 3/8-18	1		
—16	535A0181H01	Rod, Extension, RXF 58 & 68	1		
	535A0181H02	Rod, Extension, RXF 85 & 101	1		
—17	944A0010H01	Bushing, 1/4 x 1/8"	1		
—18	536A1419H01	Switch, Liquid Level, Version A	1		
	913A0123H01	Assembly, Oil Level Sensor (Flow Switch), Version B	1		
	913A0123H11	Sensor, Oil Level (Flow Switch) less well, Version B	1		
	580C0358G09	Assembly, Dual Safety Valve, 1/2", 300 PSIG	Ref.		PSV
	580C0357G09	Assembly, Dual Safety Valve, 3/4", 300 PSIG	Ref.		PSV
	580C0361G09	Assembly, Dual Safety Valve, 1", 300 PSIG	Ref.		PSV
—19	952A0019H10	Valve, Safety Relief, 1/2"	2		
	952A0020H10	Valve, Safety Relief, 3/4"	2		
	952A0021H09	Valve, Safety Relief, 1"	2		
—20	955A0012H01	Valve, Shutoff, 1/2"	1		
	955A0012H02	Valve, Shutoff, 3/4"	1		
	955A0023H01	Manifold, 1"	1		
—21	111Q0280818	Sensor, Temperature, Version A, 3/16 x 4", Version A*	1		
	640A0035H01	Sensor, Temperature, Version B, 5/16 x 1", Version B*	1		
—22	640A0038H10	Tube, Retainer (cut to length)	1		
—23	640A0033H01	Spring, Retainer, Tube (Version A, 1-3/8" to \varnothing of eye)	1		
	640A0051H01	Spring, Retainer, Tube (Version B, 7/8" to \varnothing of eye)	1		
—24	990A0014H01	Well, Temperature Sensor, Version A, 3/16" I.D.	1		
	990A0062H01	Well, Temperature Sensor, Version B, 5/16" I.D.	1		
—25	333Q0001233	Box, Round (Rab) Version A	1		
	333Q0001451	Box, Round (Stonco) Version B	1		
—26	111Q0280986	Relief, Strain	1		
—27	111Q0831807	Compound, Heat Transfer (sensor tip only)	1		
—28	913A0101H01	Assembly, Temperature Sensor w/Well, Version C*	1		
	913A0101H11	Sensor, Temperature, less Well	1		
—29	913A0047H01	Heater, Oil, 500W, 120V	2		HTR
	913A0047H03	Heater, Oil, 500W, 240V (Optional)	2		HTR

* **Version A** used prior to 8/97. See Service Information Letter NS-16-01. **Version B** used from 8/97 to 4/01. **Version C** current from 4/01, has DIN connector.

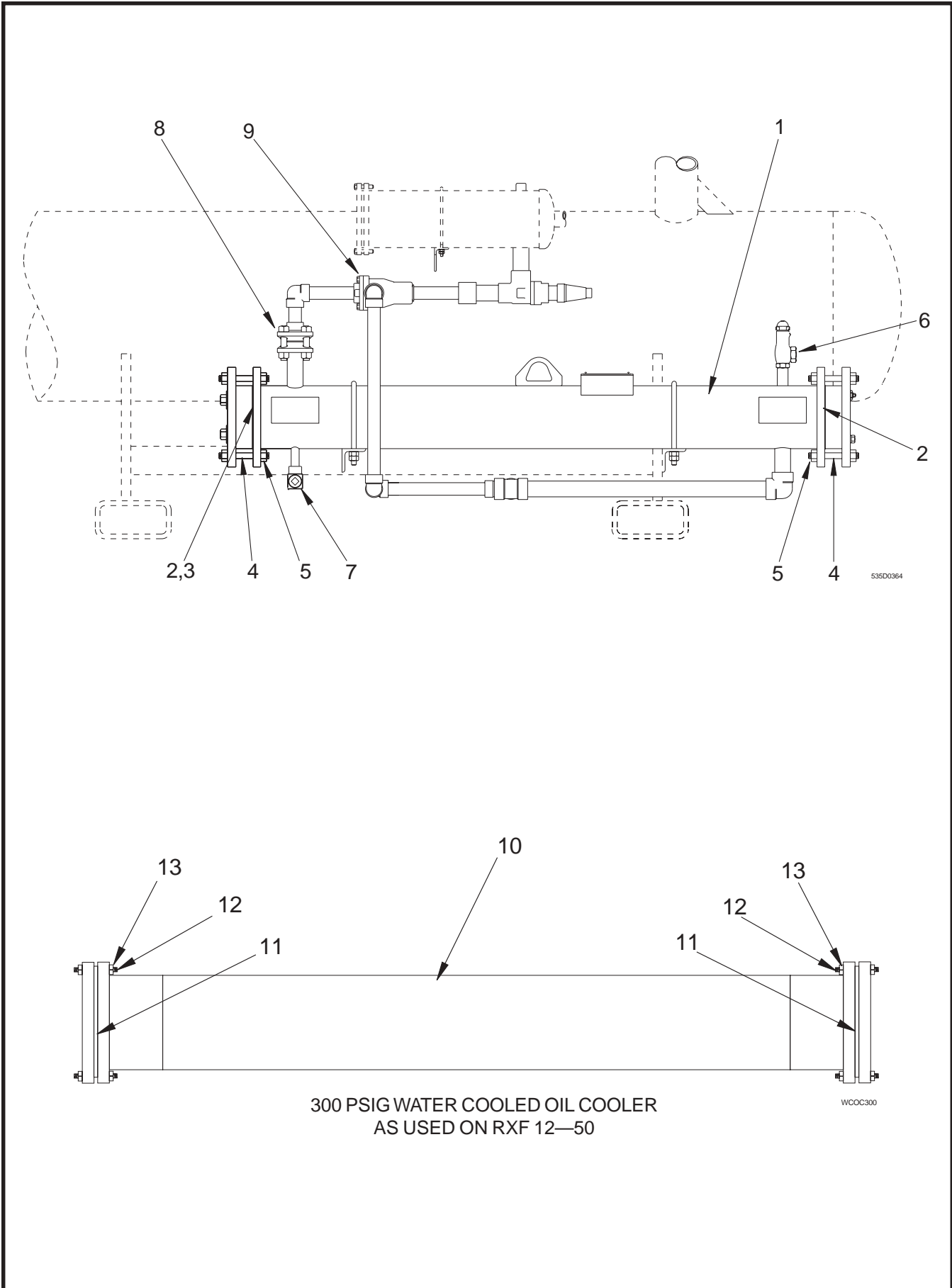


Figure 7. Oil Cooler Piping, Typical, WCOC Shown.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.	
7—	535D0317	Thermosyphon Oil Cooler, 6" x 5' (12—19)	Ref.	D		
	535D0318	Thermosyphon Oil Cooler w/Amot, 6" x 5' (12—19)	Ref.	D		
	535D0319	Water Cooled Oil Cooler, (4 Pass) 6" x 5' (12—19)	Ref.	E		
	535D0320	Water Cooled Oil Cooler (4 Pass) w/Amot, 6" x 5' (12—19)	Ref.	E		
	535D0348	Water Cooled Oil Cooler (2 Pass) w/Amot, 6" x 5' (24—50)	Ref.	D		
	535D0349	Water Cooled Oil Cooler, (2 Pass) 6" x 5' (24—50)	Ref.	D		
	535D0350	Water Cooled Oil Cooler (4 Pass) w/Amot, 6" x 5' (24—50)	Ref.	D		
	535D0351	Water Cooled Oil Cooler, (4 Pass) 6" x 5' (24—50)	Ref.	D		
	535D0352	Water Cooled Oil Cooler (2 Pass) w/Amot, 8" x 5' (24—50)	Ref.	D		
	535D0353	Water Cooled Oil Cooler, (2 Pass) 8" x 5' (24—50)	Ref.	D		
	535D0354	Water Cooled Oil Cooler (4 Pass) w/Amot, 8" x 5' (24—50)	Ref.	D		
	535D0355	Water Cooled Oil Cooler, (4 Pass) 8" x 5' (24—50)	Ref.	D		
	535D0536	Thermosyphon Oil Cooler w/Amot, 10" x 5' (24—50)	Ref.	A		
	535D0537	Thermosyphon Oil Cooler, 10" x 5' (24—50)	Ref.	A		
	535D0271	Thermosyphon Oil Cooler, 6" x 5' (24—50)	Ref.	K		
	535D0275	Thermosyphon Oil Cooler w/Amot, 6" x 5' (24—50)	Ref.	K		
	535D0282	Thermosyphon Oil Cooler w/Amot, 8" x 5' (24—50)	Ref.	J		
	535D0283	Thermosyphon Oil Cooler, 8" x 5' (24—50)	Ref.	J		
	535D0380	Thermosyphon Oil Cooler, 6" x 5' (58—101)	Ref.	B		
	535D0381	Thermosyphon Oil Cooler w/Amot, 6" x 5' (58—101)	Ref.	B		
	535D0382	Thermosyphon Oil Cooler, 8" x 5' (58—101)	Ref.	B		
	535D0383	Thermosyphon Oil Cooler w/Amot, 8" x 5' (58—101)	Ref.	B		
	535D0384	Thermosyphon Oil Cooler, 10" x 5' (58—101)	Ref.	B		
	535D0385	Thermosyphon Oil Cooler w/Amot, 10" x 5' (58—101)	Ref.	B		
	535D0386	Water Cooled Oil Cooler, (2 Pass) 6" x 5' (58—101)	Ref.	B		
	535D0387	Water Cooled Oil Cooler w/Amot, (2 Pass) 6" x 5' (58—101)	Ref.	B		
	535D0388	Water Cooled Oil Cooler, (4 Pass) 6" x 5' (58—101)	Ref.	B		
	535D0389	Water Cooled Oil Cooler w/Amot, (4 Pass) 6" x 5' (58—101)	Ref.	B		
	535D0390	Water Cooled Oil Cooler, (2 Pass) 8" x 5' (58—101)	Ref.	B		
	535D0391	Water Cooled Oil Cooler w/Amot, (2 Pass) 8" x 5' (58—101)	Ref.	B		
	535D0392	Water Cooled Oil Cooler, (4 Pass) 8" x 5' (58—101)	Ref.	B		
	535D0393	Water Cooled Oil Cooler w/Amot, (4 Pass) 8" x 5' (58—101)	Ref.	B		
	535D0394	Water Cooled Oil Cooler, (2 Pass) 10" x 5' (58—101)	Ref.	B		
	535D0395	Water Cooled Oil Cooler w/Amot, (2 Pass) 10" x 5' (58—101)	Ref.	B		
	535D0396	Water Cooled Oil Cooler, (4 Pass) 10" x 5' (58—101)	Ref.	B		
	535D0397	Water Cooled Oil Cooler w/Amot, (4 Pass) 10" x 5' (58—101)	Ref.	B		
	720D0260	Thermosyphon Oil Cooler, 6" x 8' (58—101)	Ref.	A		
	720D0261	Thermosyphon Oil Cooler w/Amot, 6" x 8' (58—101)	Ref.	A		
	720D0262	Thermosyphon Oil Cooler w/Amot, 6" x 8' (58—101)	Ref.	A		
	720D0263	Thermosyphon Oil Cooler, 8" x 8' (58—101)	Ref.	A		
	720D0264	Thermosyphon Oil Cooler w/Amot, 8" x 8' (58—101)	Ref.	A		
	720D0265	Thermosyphon Oil Cooler w/Pump, 6" x 8' (58—101)	Ref.	A		
	720D0266	Thermosyphon Oil Cooler w/Amot & Pump, 6" x 8' (58—101)	Ref.	A		
	720D0267	Thermosyphon Oil Cooler w/Amot & Pump, 6" x 8' (58—101)	Ref.	A		
	720D0268	Thermosyphon Oil Cooler w/Pump, 8" x 8' (58—101)	Ref.	A		
	720D0269	Thermosyphon Oil Cooler w/Amot & Pump, 8" x 8' (58—101)	Ref.	A		
	—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		

RXF ROTARY SCREW COMPRESSOR UNIT
SERVICE PARTS LIST



FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
7—	—	Oil Cooler, Continued	Ref.		
—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	952A0019H10	Safety Valve Arrangement with 300 PSIG Oil Coolers: Valve, Safety, 1/2" Shank 803TJ, Vent to Atmosphere ⁽¹⁾	1		
	952A0025H01	Safety Valve Arrangement with 400 PSIG Oil Coolers: Valve, Safety, 1/2" Shank, Optional, Vent to Separator	1		
—7	950A0233H01	Valve, Angle, Seal Cap, SW, 1/2", Danfoss	1		
—8	944A0360G10	Kit, Flange, SW, 1-1/4"	1		
	959A0057H04	Gasket	2		
	944A0360G11	Kit, Flange, SW, 1-1/2"	1		
	959A0057H05	Gasket	2		
—9	950A0046H01	Valve, Temperature Regulating, 1" SW, Amot	1		
	950A0066G01	Kit, Service, consisting of:	1		
	950A0029H21	Element, Thermostatic, 120°	1		
	950A0029G31	Kit, Seal	1		
	950A0028H01	Valve, Temperature Regulating, 1-1/2"NPT, Amot	1		
	950A0067G01	Kit, Service, consisting of:	1		
	950A0028H21	Element, Thermostatic, 120°	1		
	950A0028G31	Kit, Seal	1		
—10	547D0217G01	Oil Cooler, Water Cooled, 6-5/8 x 60", 300 PSIG, 2 Pass	1		
	547D0218G01	Oil Cooler, Water Cooled, 8-5/8 x 60", 300 PSIG, 2 Pass	1		
	547D0414G01	Oil Cooler, Water Cooled, 6-5/8 x 60", 300 PSIG, 4 Pass	1		
	547D0415G01	Oil Cooler, Water Cooled, 8-5/8 x 60", 300 PSIG, 4 Pass	1		
—11	959A0068H01	Gasket, Head, 6-5/8"	2		
	959A0068H02	Gasket, Head, 8-5/8"	2		
—12	901A0098H10	Stud, 5/8 x 3-3/4 NC	16		
—13	902A0021H03	Nut, 5/8 NC	32		

(1) When replacing Frick Safety Valves, see Service Information Letter NS-30-95, or contact factory for correct size.

FRICK FLANGE GASKETS			
GASKET NO.	FLANGE SIZE	ID	OD
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

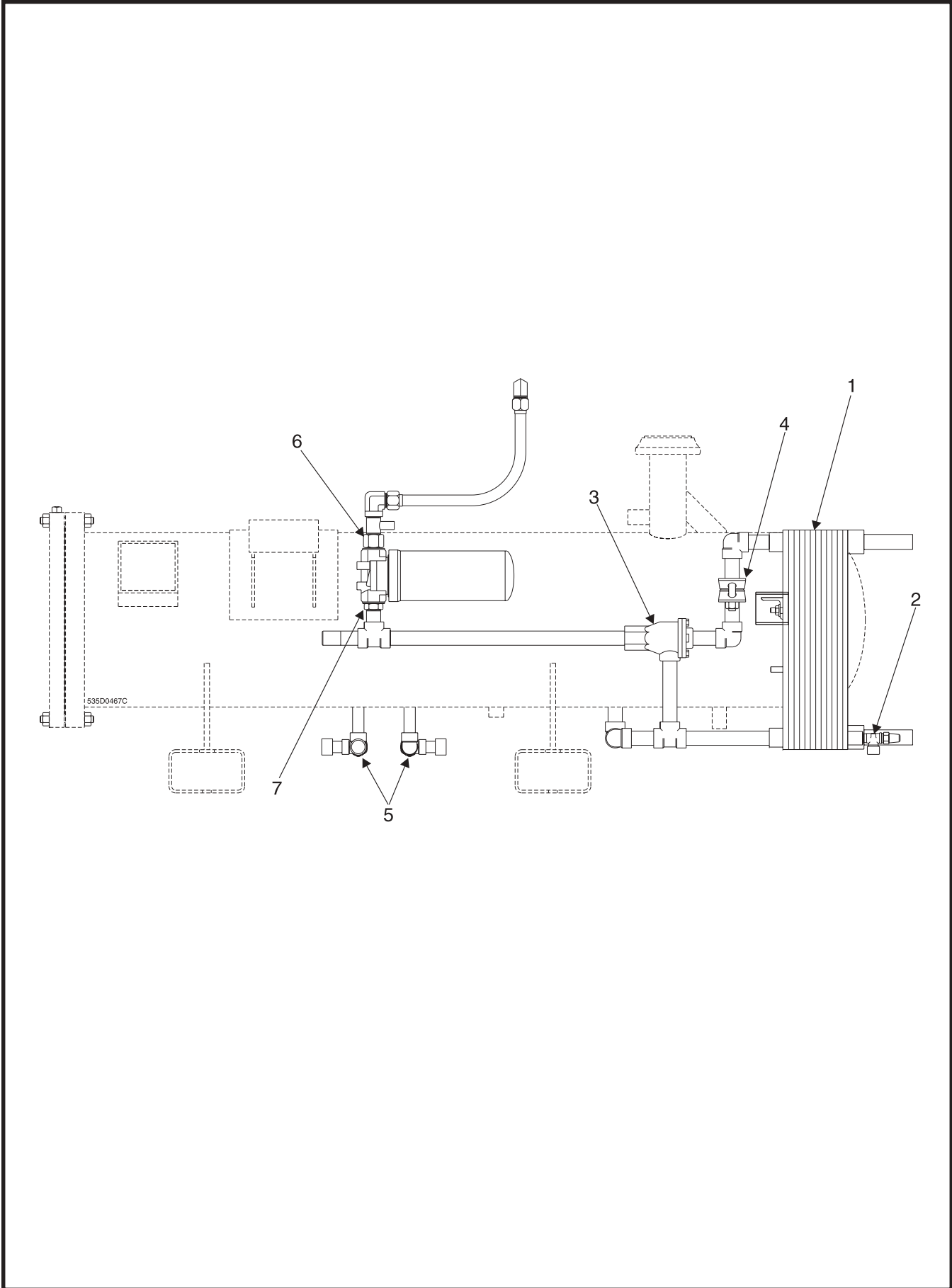


Figure 8. Plate Oil Cooler Piping, Typical, RXF 12—50.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
8—	535D0466 535D0467	Thermosyphon Oil Cooler Piping, Plate Cooler Thermosyphon Oil Cooler Piping, Plate Cooler w/Amot	Ref. Ref.	B B	
—1	990A0082H01 990A0082H02 990A0082H03 990A0082H04 990A0082H05 990A0082H06 990A0082H07 990A0082H08 990A0082H09	Oil Cooler, Flat Plate, 5 x 20-20, 300 PSIG Oil Cooler, Flat Plate, 5 x 20-30, 300 PSIG Oil Cooler, Flat Plate, 5 x 20-40, 300 PSIG Oil Cooler, Flat Plate, 5 x 20-50, 300 PSIG Oil Cooler, Flat Plate, 5 x 20-60, 300 PSIG Oil Cooler, Flat Plate, 5 x 20-70, 300 PSIG Oil Cooler, Flat Plate, 5 x 20-80, 300 PSIG Oil Cooler, Flat Plate, 5 x 20-90, 300 PSIG Oil Cooler, Flat Plate, 5 x 20-100, 300 PSIG	1 1 1 1 1 1 1 1 1	— — — — — — — — —	
—2	957A0003H03	Valve, Angle, S.C., 1/2 MPT x 1/2 FPT	1		
—3	950A0046H01 950A0066G01 950A0029H21 950A0029G31 950A0028H01 950A0067G01 950A0028H21 950A0028G31 950A0282H01 950A0282H11	Valve, Temperature Regulating, 1" SW, Amot Kit, Service Element, Thermostatic, 120° Kit, Seal Valve, Temperature Regulating, 1-1/2" NPT, Amot Kit, Service, consisting of: Element, Thermostatic, 120° Kit, Seal Valve, Temperature Regulating, 1" SW, Hansen Kit, Service, consisting of thermostat and cover gasket	1 1 1 1 1 1 1 1 1 1		
—4	944A0302H05 959A0085H03	Union, Flanged, Oval, SW, 1" Gasket	1 1		
—5	950A0233H02	Valve (drain), Angle, 3/4" SW, SC, Danfoss	2		
—6	944A0246H15	Adapter, 1" FPT x 1" SAE (O-ring 980A0012K69)	1		
—7	535A0356H01	Bushing, Orifice (O-ring 980A0012K69)			

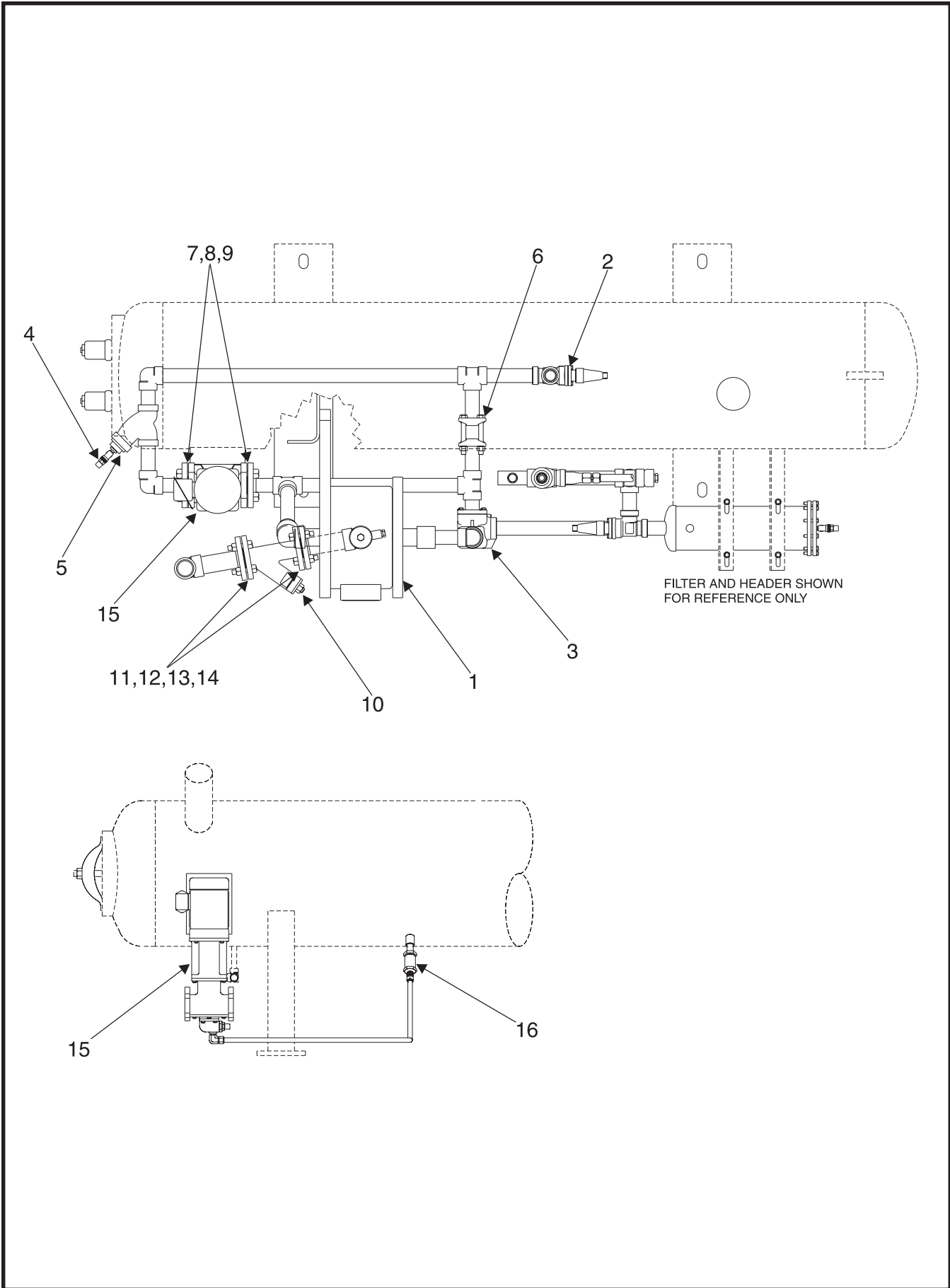


Figure 9. Plate Oil Cooler Piping, Current, RXF 58—101.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
9—	720D0400	Piping, Plate WCOC, 58 & 68	Ref.	—	
	720D0401	Piping, Plate WCOC w/Temp. Control Valve	Ref.	—	
	720D0402	Piping, Plate WCOC, 58 & 68	Ref.	—	
	720D0402	Piping, Plate TSOC, 58 & 68	Ref.	—	
	720D0403	Piping, Plate TSCOC w/Temp. Control Valve	Ref.	—	
	720D0404	Piping, Plate WCOC w/Pump, 58 & 68	Ref.	—	
	720D0405	Piping, Plate WCOC w/TCV and Pump, 58 & 68	Ref.	—	
	720D0406	Piping, Plate TSOC w/Pump, 58 & 68	Ref.	—	
	720D0407	Piping, Plate TSOC w/TCV and Pump, 58 & 68	Ref.	—	
	720D0387	Piping, Plate WCOC, 85 & 101	Ref.	—	
	720D0388	Piping, Plate WCOC w/Temp. Control Valve	Ref.	—	
	720D0389	Piping, Plate TSOC, 85 & 101	Ref.	—	
	720D0390	Piping, Plate TSOC w/Temp. Control Valve	Ref.	—	
	720D0391	Piping, Plate WCOC w/Pump, 85 & 101	Ref.	—	
	720D0392	Piping, Plate WCOC w/TCV and Pump, 85 & 101	Ref.	—	
	720D0393	Piping, Plate TSOC w/Pump, 85 & 101	Ref.	—	
	720D0394	Piping, Plate TSOC w/TCV and Pump, 85 & 101	Ref.	—	
—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		
—3	950A0195H01	Valve, Temperature Control, 1-1/2" SW	1		
	950A0195H11	Thermostat and Gasket Kit	1		
—4	957A0003H01	Valve, Angle, S.C., 1/2 MPT x 1/2 FPT	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	950A0076H05	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		
	—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	Pump, 1HP, 208/230/460-3-60, 190/180-3-50	1		
	960A0082G02	Pump, 1HP, 575-3-60	1		
	960A0082G03	Pump, 1HP, 415-3-50	1		
	960A0082H01	Pump only	1		
	960A0076H41	Shaft Seal Kit, Pump	1		
	914A0015H02	Motor only	1		
	960A0066H11	Coupling Assembly only	1		
—16	956A0014H01	Valve, Check, 3/4" NPT	1		

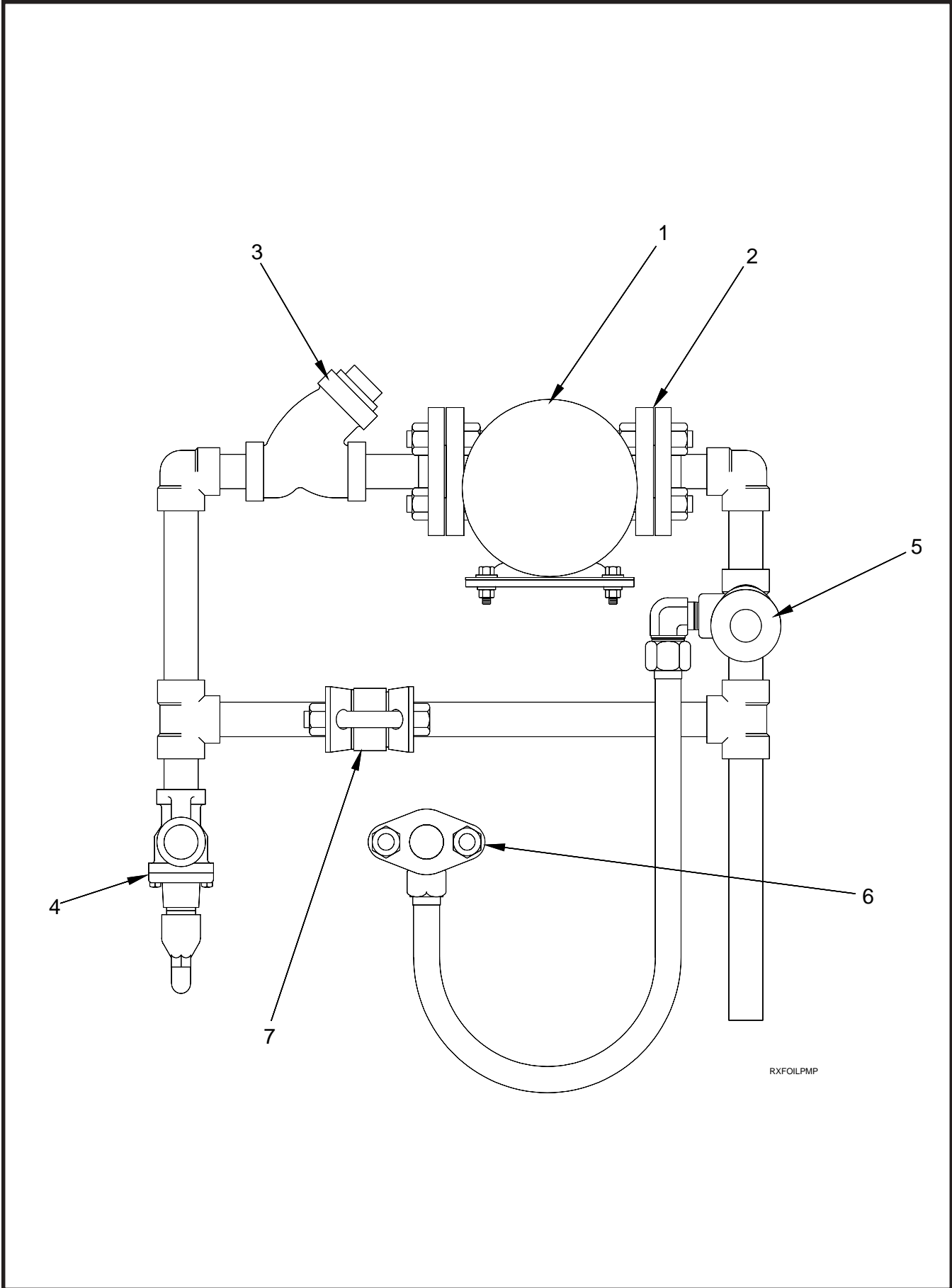


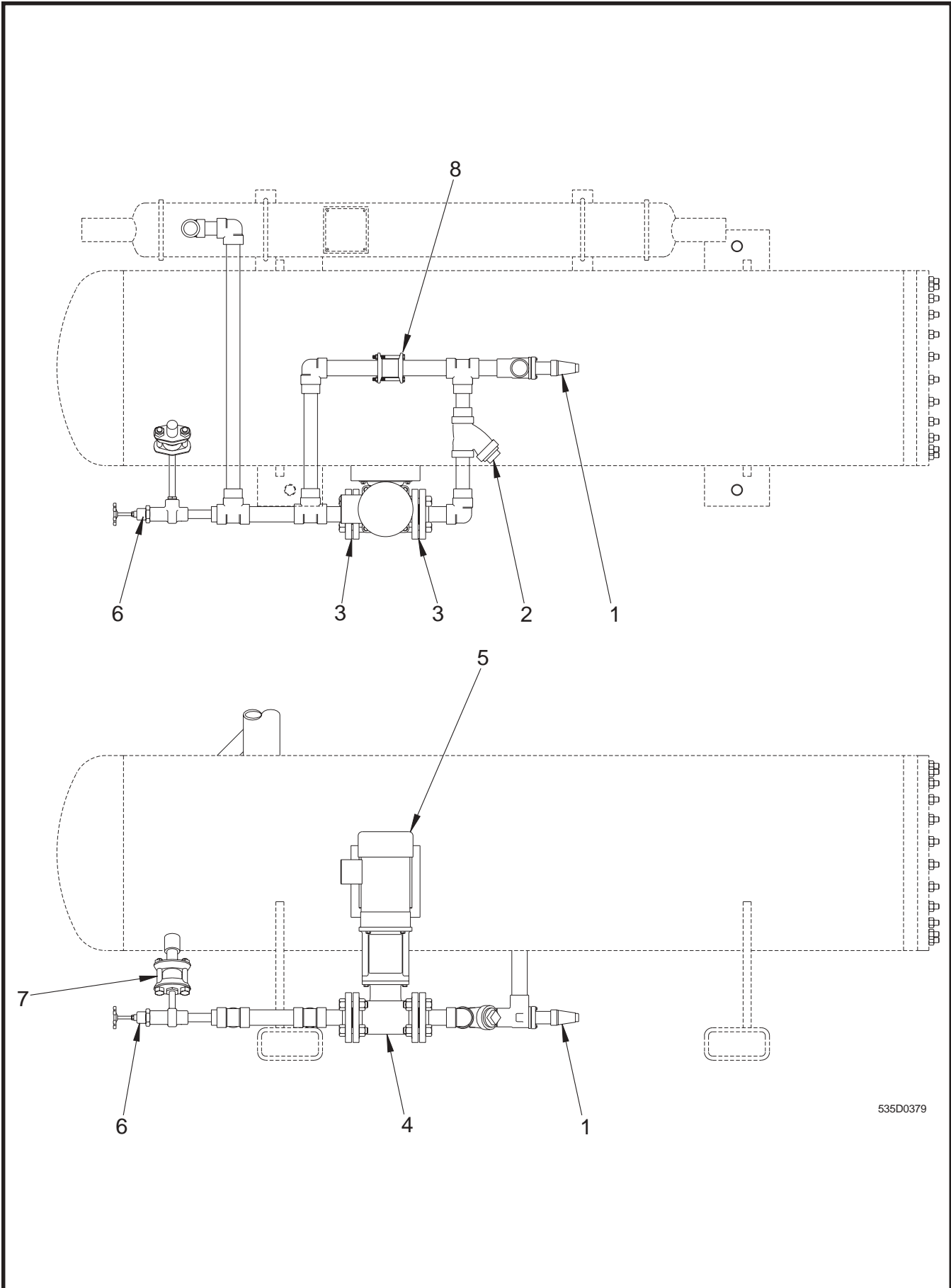
Figure 10. Oil Pump and Piping, Typical, RXF 12—50.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
10—	535D0336	19/23 GPM Full Lube Pump, RXF 24—50	Ref.	E	
	535D0337	19/23 GPM Cycling Full Lube, RXF 24—50	Ref.	E	
	535D0338	9/11 GPM Full Lube Pump, RXF 12—50	Ref.	E	
	535D0339	9/11 GPM Cycling Full Lube, RXF 12—50	Ref.	E	
	535D0340	5/6 GPM Full Lube Pump, RXF 12—19	Ref.	E	
	535D0341	5/6 GPM Cycling Full Lube, RXF 12—19	Ref.	E	
—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, Rebuilt, 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		
	960A0059H51	Seal, Shaft	1		
	960A0068H11	Coupling	1		
	960A0076G05	Assembly, Pump & Motor, 190/380VAC, 50 Hz, 19 GPM	1		
	914A0015H04	Motor, 190/380VAC, 50 Hz	1		
	960A0076H01	Pump, 19 GPM	1		
	960A0045H51	Seal, Shaft ⁽³⁾	1		
	960A0066H11	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		
	960A0045H51	Seal, Shaft ⁽³⁾	1		
	960A0066H11	Coupling	1		
—2	959A0054H23	Gasket, Flange, 9/11 GPM	2		
	959A0054H25	Gasket, Flange, 19/23 GPM	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		
	950A0237H03	Valve, Angle, SC, 1" NPT, RXF 24—50 (Danfoss)	1		
	950A0237H02	Valve, Angle, SC, 3/4" NPT, RXF 12—19 (Danfoss)	1		
—5	950A0065H05	Valve, Pressure Regulator	1		
—6	956A0024H03	Valve, Check, 1"	1		
—7	956A0012G08	Valve, Check, 3/4", 5/6 GPM (Optional)	1		
	956A0012G07	Valve, Check, 1", 11/23 GPM (Optional)	1		

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

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

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



535D0379

Figure 11. Oil Pump Piping, Typical, RXF 58—101.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
11—	535D0378 535D0379	Full Lube Pump Piping, 58 & 101 Full Cycling Pump Piping, 58 & 101	Ref. Ref.	C C	
—1	950A0233H04 950A0233H05	Valve, Angle, Seal Cap, SW, 1-1/4", Danfoss Valve, Angle, Seal Cap, SW, 1-1/2", Danfoss	1 1		
—2	950A0069H06 950A0069H24 950A0069H36 950A0069H07 950A0069H25 950A0069H37	Strainer, SW, 1-1/4" Gasket, Strainer Screen, Strainer Strainer, SW, 1-1/2" Gasket, Strainer Screen, Strainer	1 1 1 1 1 1		
—3	959A0054H25	Gasket, Flange, 1-1/2"	2		
	960A0076G01 960A0076G03 960A0076G05	Oil Pump/Motor, Viking, 230/460V, 1-1/2 HP, 1750 RPM Oil Pump/Motor, Viking, 230/460V, 3 HP, 1750/1450 RPM Oil Pump/Motor, Viking, 190/380V, 1-1/2 HP, 1450 RPM	1 1 1		
—4	960A0076H01 960A0076H02 960A0045H51 980A0012B66	Pump only, for 960A0076G01 and 960A0076G05 Pump only, for 960A0076G03 Seal, Shaft O-Ring, Head Gasket	1 1 1 1		P-1 P-1
—5	914A0015H02 914A0015H03 914A0015H04 960A0066H11	Motor only, for 960A0076G01 Motor only, for 960A0076G03 Motor only, for 960A0076G05 Coupling, Drive	1 1 1 1		PM-1 PM-1 PM-1
—6	950A0065H05	Valve, Pressure Control, 3/4" NPT	1		
—7	956A0024H03	Valve, Check, 1" NPT	1		
—8	956A0012G06 956A0012G03	Valve, Check, SW, 1-1/4" (Full Cycling only) Valve, Check, SW, 1-1/2" (Full Cycling only)	1 1		

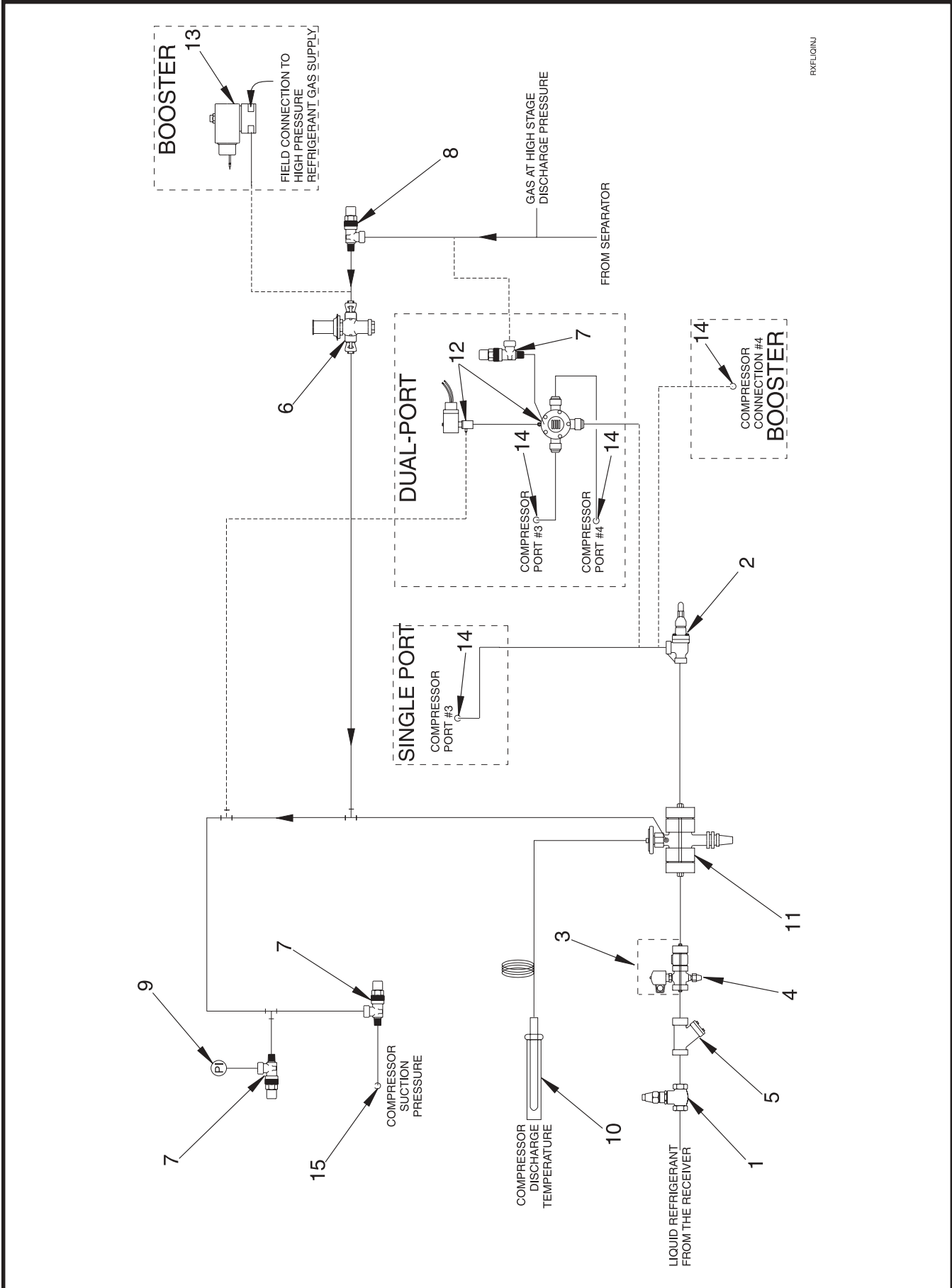


Figure 12. Liquid Injection Piping, Typical.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
12—	720D0198	Liquid Injection Assembly, Single-Port	Ref.	B	
	720D0199	Liquid Injection Assembly, Dual-Port	Ref.	C	
	720D0200	Liquid Injection Assembly, Booster	Ref.	B	
—1	950A0249H01	Valve, Globe, Seal Cap, 1/2" NPT, Danfoss	1		
	950A0249H02	Valve, Globe, Seal Cap, 3/4" NPT, Danfoss	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		
—2	950A0237H01	Valve, Angle, Seal Cap, 1/2" NPT, Danfoss	1		
	950A0237H02	Valve, Angle, Seal Cap, 3/4" NPT, Danfoss	1		
	950A0233H01	Valve, Angle, Seal Cap, 1/2" SW, Danfoss	1		
	950A0233H02	Valve, Angle, Seal Cap, 3/4" SW, Danfoss	1		
—3	720M0151G01	Kit, Liquid Injection, 1/2", w/DAE 2—15, R-717*	Ref.		
	720M0151G02	Kit, Liquid Injection, 1/2", w/DAE 20—50, R-717*	Ref.		
	720M0151G03	Kit, Solenoid Valve, 3/4", w/AEE 75—100, R-717*	Ref.		
	720M0151G04	Kit, Solenoid Valve, w/HVE 2—16, R-22*	Ref.		
	720M0151G05	Kit, Solenoid Valve, w/MVE 12—34, R-22*	Ref.		
—4	950A0190H13	Valve, Solenoid, 3/4" FPT, w/AEE, DAE 10 & 15, HVE*	1		SV
	950A0190H01	Coil, Solenoid, 120V/60Hz (early)	1		
	950A0190H02	Coil, Solenoid, 240V/60Hz (early)	1		
	950A0215G01	Coil, 120VAC (RXF 58-101 w/DIN connector)	1		
	950A0215G02	Coil, 240VAC (RXF 58-101 w/DIN connector)	1		
	959A0089H02	Gasket, Flange, 3/4"	3		
	947A0010H02	Sightglass, 3/4"	1		
	950A0190H11	Valve, Solenoid, 1/2", w/DAE 2—15, R-717*	1		SV
	950A0190H01	Coil, Solenoid, 120V/60Hz (early)	1		
	950A0190H02	Coil, Solenoid, 240V/60Hz (early)	1		
	950A0215G01	Coil, 120VAC (RXF 58-101 w/DIN connector)	1		
	950A0215G02	Coil, 240VAC (RXF 58-101 w/DIN connector)	1		
	959A0089H03	Gasket, Flange, 1/2"	3		
	947A0010H01	Sightglass, 1/2"	1		
	950A0190H15	Valve, Solenoid, 1" FPT, w/MVE 12—34, R-22*	1		
	950A0190H01	Coil, Solenoid, 120V/60Hz (early)	1		
	950A0190H02	Coil, Solenoid, 240V/60Hz (early)	1		
	950A0215G01	Coil, 120VAC (RXF 58-101 w/DIN connector)	1		
	950A0215G02	Coil, 240VAC (RXF 58-101 w/DIN connector)	1		
	959A0089H02	Gasket, Flange, 1"	3		
	947A0010H02	Sightglass, 1"	1		

* Solenoid Valve, Strainer and Pressure Regulator are determined by which TX Valve is used.
For proper ordering of Liquid Injection components, refer to Thermal Expansion Valve nameplate for size and model designation.

RXF ROTARY SCREW COMPRESSOR UNIT
SERVICE PARTS LIST



FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
12—	—	Liquid Injection Assembly, Cont'd	Ref.		
—5	950A0019H01	Strainer, 100 Mesh, 1/2" FPT*	1		
	950A0019H04	Kit, Screen and Gasket	1		
	950A0054H01	Strainer, 80 Mesh, 1/2" FPT*	1		
	950A0054H04	Kit, Screen and Gasket	1		
	950A0012H01	Strainer, 80 Mesh, 3/4" FPT*	1		
	950A0069H03	Strainer, 60 Mesh, 1/2" FPT*	1		
	950A0069H21	Gasket, Screen	2		
	950A0069H33	Screen, 60 Mesh	1		
	950A0069H04	Strainer, 60 Mesh, 3/4" FPT*	1		
	950A0069H22	Gasket, Screen	2		
	950A0069H34	Screen, 60 Mesh	1		
	950A0069H05	Strainer, 60 Mesh, 1" FPT*	1		
	950A0069H23	Gasket, Screen	2		
	950A0069H35	Screen, 60 Mesh	1		
—6	954A0008H01	Regulator, Pressure, 3/8" FPT*	1		
	954A0008H02	Element, Replacement	1		
—7	957A0003H01	Valve, Angle, Seal Cap, 1/4"	1-2		
—8	957A0003H02	Valve, Angle, Seal Cap, 3/8"	1-2		
—9	990A0011H02	Gauge, Pressure	1		PI
—10	531A0139H01	Well, Standard TX Valve	1		
—11	954A0050H01	Valve, Therm. Exp., R-717, DAE-2 Tons Cap.	1	C	TX
	954A0050H02	Valve, Therm. Exp., R-717, DAE-5 Tons Cap.	1	C	TX
	954A0050H03	Valve, Therm. Exp., R-717, DAE-10 Tons Cap.	1	C	TX
	954A0050H04	Valve, Therm. Exp., R-717, DAE-15 Tons Cap.	1	C	TX
	954A0010H20	Element, Power, Replacement for 2—15 Tons	1	C	
	959A0089H03	Gasket, Flange, 1/2"	2		
	954A0050H05	Valve, Therm. Exp., R-717, AAE-20 Tons Cap.	1	C	TX
	954A0050H06	Valve, Therm. Exp., R-717, AAE-30 Tons Cap.	1	C	TX
	954A0050H07	Valve, Therm. Exp., R-717, AAE-50 Tons Cap.	1	C	TX
	954A0050H08	Valve, Therm. Exp., R-717, AAE-75 Tons Cap.	1	C	TX
	954A0050H09	Valve, Therm. Exp., R-717, AAE-100 Tons Cap.	1	C	TX
	954A0010H30	Element, Power, Replacement for 20—100 Tons	1	C	
	959A0089H02	Gasket, Flange, 3/4 & 1"	2		
	954A0051H01	Valve, Therm. Exp., R-22, HVE-2-1/2 Tons Cap.	1	A	TX
	954A0051H02	Valve, Therm. Exp., R-22, HVE-5-1/2 Tons Cap.	1	A	TX
	954A0051H03	Valve, Therm. Exp., R-22, HVE-11 Tons Cap.	1	A	TX
	954A0051H04	Valve, Therm. Exp., R-22, HVE-16 Tons Cap.	1	A	TX
	954A0012H20	Element, Power, Replacement for HVE above	1	A	
	959A0089H04	Gasket, Adaptor Ring	2		
	959A0089H03	Gasket, Flange, 1/2"	2		
	954A0051H05	Valve, Therm. Exp., R-22, MVE-12 Tons Cap.	1	A	TX
	954A0051H06	Valve, Therm. Exp., R-22, MVE-21 Tons Cap.	1	A	TX
	954A0051H07	Valve, Therm. Exp., R-22, MVE-34 Tons Cap.	1	A	TX
	954A0012H30	Element, Power, Replacement for MVE above	1	A	
	959A0089H02	Gasket, Flange, 3/4"	2		

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
—12	951A0053H01	Valve, Solenoid, Less Coil	1		
	951A0054H01	Coil, 120 VAC (early)	1		
	951A0054H03	Coil, 240 VAC (early)	1		
	951A0095H01	Coil, 120VAC (RXF 58-101 w/DIN connector)	1		
	951A0095H02	Coil, 240VAC (RXF 58-101 w/DIN connector)	1		
	944A0117H01	Fitting, Connector, Female, Parker Ferulok	2		
	944A0117H01	Fitting, Connector, Female, Parker Ferulok	2		
—13	951A0020H01	Solenoid Valve, R-717, R-22	1		SV-10
	951A0020H11	Coil, Solenoid Valve, 120V	1		
	951A0020H16	Coil, Solenoid Valve, 240V	1		
—14	980A0012K66	O-ring, 3-912	1-2		
	980A0012K74	O-ring, 3-932	1-2		
—15	980A0012K60	O-ring, 3-906	1-2		
	980A0012K74	O-ring, 3-932	1-2		
<p>*Solenoid Valve, Strainer and Pressure Regulator are determined by which TX Valve is used. For proper ordering of Liquid Injection components, refer to Thermal Expansion Valve nameplate for size and model designation.</p>					

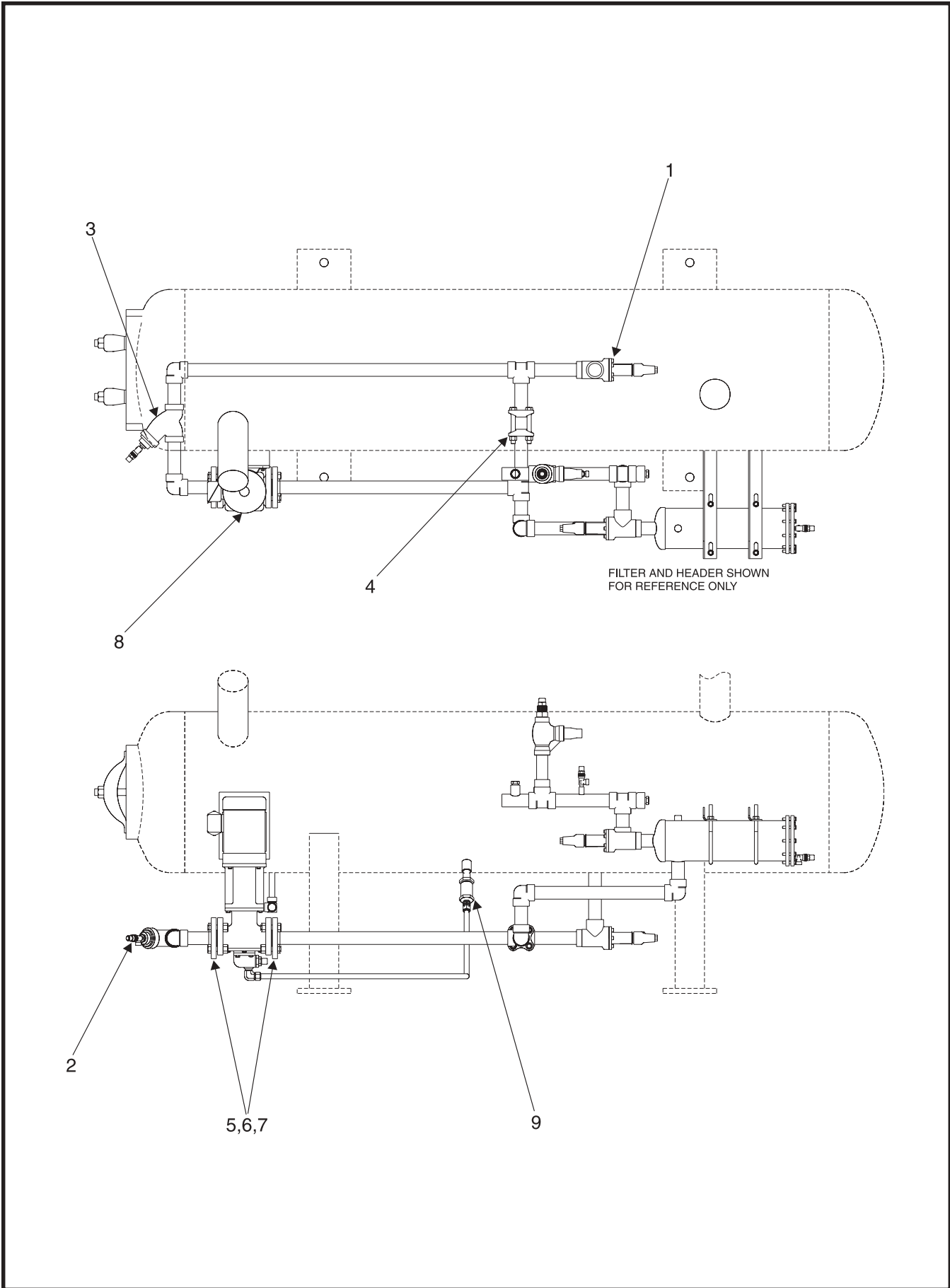


Figure 13. Piping, Pump & Liquid Injection, Current, RXF 58—101.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
13—	720D0411	Liquid Injection, 58 & 68	Ref.	—	
	720D0412	Liquid Injection w/Pump, 58 & 68	Ref.	—	
	720D0398	Liquid Injection, 85 & 101	Ref.	—	
	720D0399	Liquid Injection w/Pump, 85 & 101	Ref.	—	
—1	950A0233H05	Valve, Angle, SC, 1-1/2" SW, Danfoss	1		
—2	957A0003H01	Valve, Angle, Seal Cap, 1/4" NPT	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	Pump, 1HP, 208/230/460-3-60, 190/180-3-50	1		
	960A0082G02	Pump, 1HP, 575-3-60	1		
	960A0082G03	Pump, 1HP, 415-3-50	1		
	960A0082H01	Pump only	1		
	960A0076H41	Shaft Seal Kit, Pump	1		
	914A0015H02	Motor only	1		
	960A0066H11	Coupling Assembly only	1		
—9	956A0014H01	Valve, Check, 3/4" NPT	1		

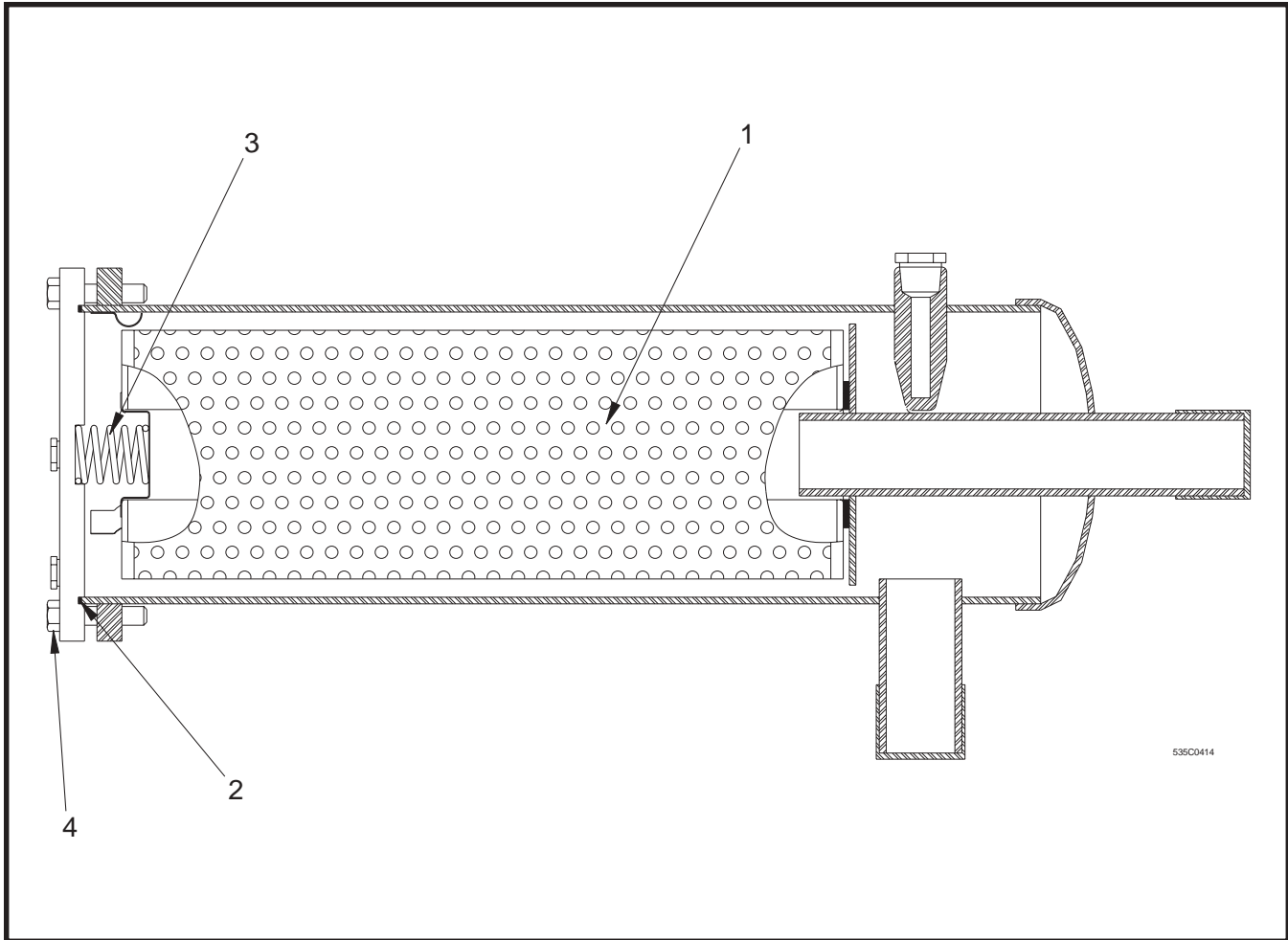


Figure 14. Oil Filter, Standard, RXF 58—101.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
14—	535C0513H01	Oil Filter Assembly	Ref.	B	F-1
—1	531A0224H01	Element, Oil Filter, SuperFilter™ (Required for 1-2-3Warranty)*	1		
—2	959A0082H02	Gasket	1		
—3	535A0378H01	Spring	1		
—4	—	Capscrew, 3/8 x 1-3/4 UNC	10		
<p>* This element is interchangeable with the earlier, original 531A0217H01. Note that filter replacement intervals may change when converting an older unit to SuperFilter™. Contact Frick Service for further information.</p>					

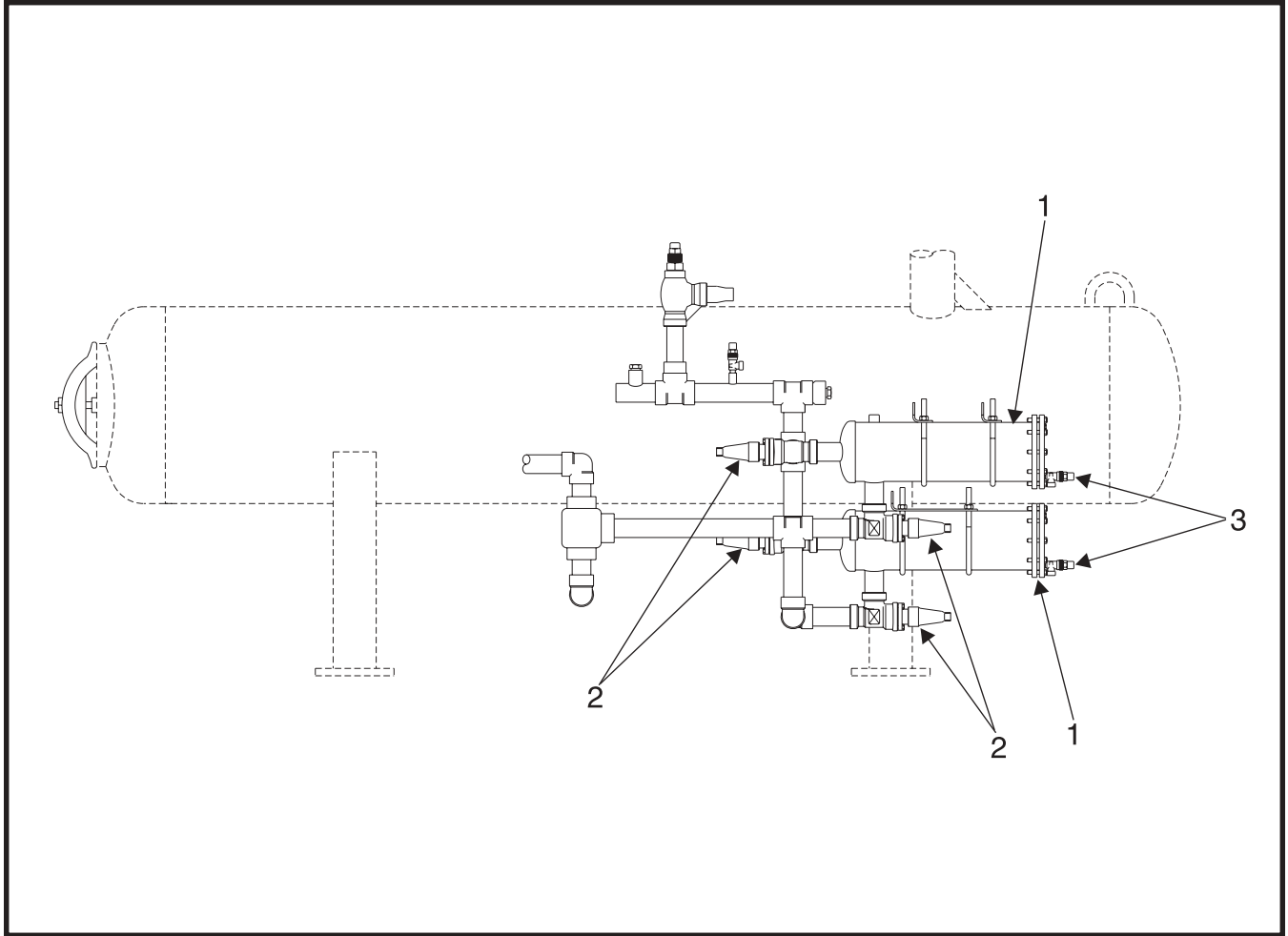


Figure 15. Dual Oil Filter, Typical, RXF 58—101.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
15—	720D0408 720D0395	Piping, Dual Oil Filter, 58 & 68 Piping, Dual Oil Filter, 85 & 101	Ref. Ref.	— —	
—1	535C0513H01	Filter Assembly, 6" (See Figure 14)	2		
—2	950A0233H05	Valve, Angle, SC, 1-1/2" SW, Danfoss	4		
—3	957A0003H01	Valve, Angle, SC, 1/4" NPT	3		

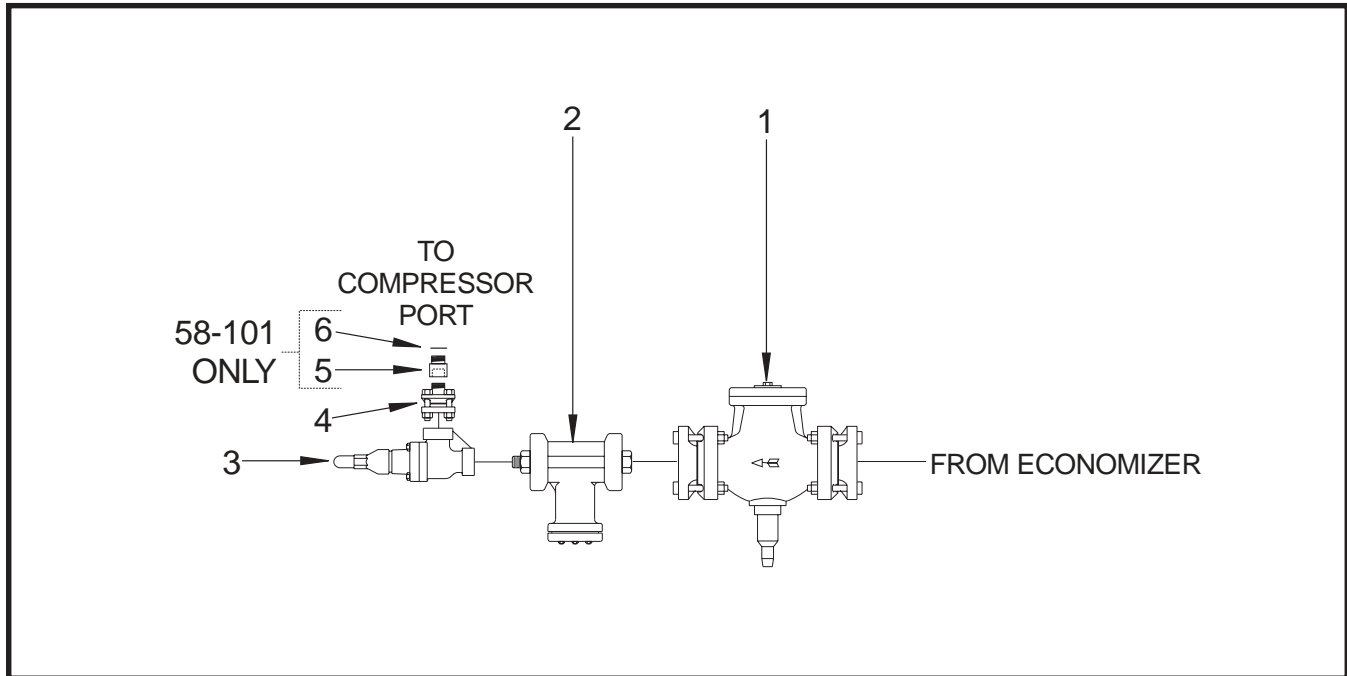


Figure 16. Economizer Kit, Typical.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
16—	535B0056	Economizer Details	Ref.	F	
—1	956A0025H22	Valve, Check, 1-1/4", RFX 12—68, R-22	1		
	959A0057H04	Gasket, Flange, 1-1/4"	2		
	956A0025H28	Valve, Check, Modified, 1-1/4", RFX 12—68, R-717	1		
	959A0057H04	Gasket, Flange, 1-1/4"	2		
	956A0025H23	Valve, Check, Modified, 1-5/8", RFX 85 & 101	1		
	959A0057H05	Gasket, Flange, 1-1/2"	2		
—2	950A0001H05	Strainer, 1-1/4", RFX 12—68	1		
	959A0057H04	Gasket, Flange, 1-1/4"	2		
	950A0001H06	Strainer, 2", RFX 85 & 101	1		
	959A0057H07	Gasket, Flange, 2"	2		
	950A0001H08	Strainer, 1-1/2", RFX 85 & 101	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		
—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		

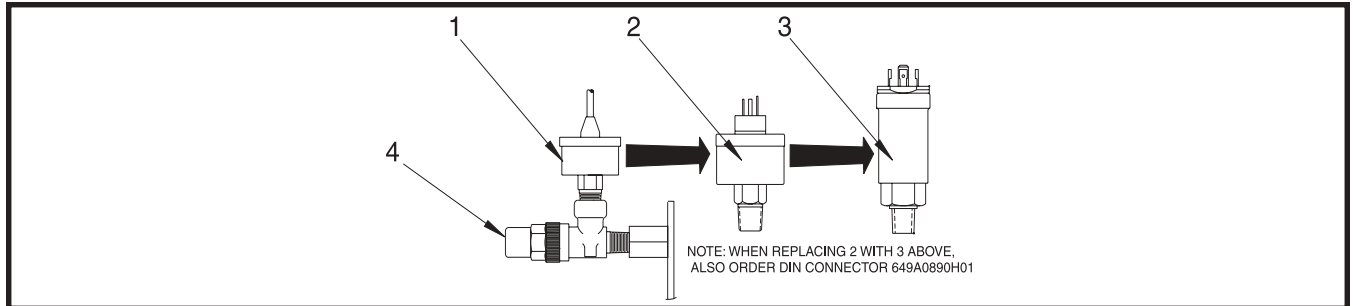
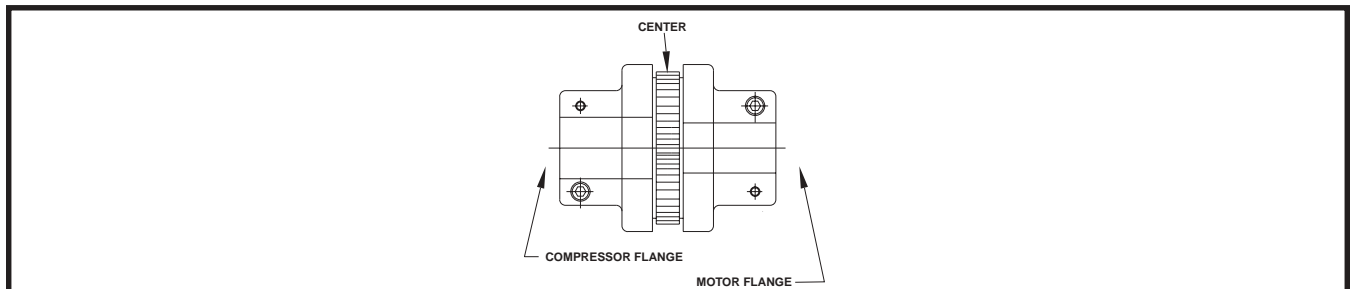


Figure 17. Transducer Piping Assembly.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
17—	—	Transducer Piping Assembly	Ref.		
—1	not available	Transducer, 0-100 PSIA, PlusMicro (use 17—3 plus DIN)	1		PE-4
	not available	Transducer, 0-300 PSIA, PlusMicro (use 17—3 plus DIN)	2		PE1,3
—2	not available	Transducer, 0-200 PSIA, Quantum™ (use 17—3 plus DIN)	1		PE-4
	not available	Transducer, 0-500 PSIA, Quantum™ (use 17—3 plus DIN)	2		PE1,3
—3	913A0110H04	Transducer, 0-100 PSIA, Plus Micro (DIN 649A0890H01)	1		PE-4
	913A0110H05	Transducer, 0-300 PSIA, Plus Micro (DIN 649A0890H01)	2		PE1,3
	913A0110H01	Transducer, 0-200 PSIA, Quantum™ (DIN 649A0890H01)	1		PE-4
	913A0110H02	Transducer, 0-500 PSIA, Quantum™ (DIN 649A0890H01)	2		PE1,3
—4	957A0003H01	Valve, Angle, Seal Cap, 3/4" NPT	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 18. Drive Coupling.

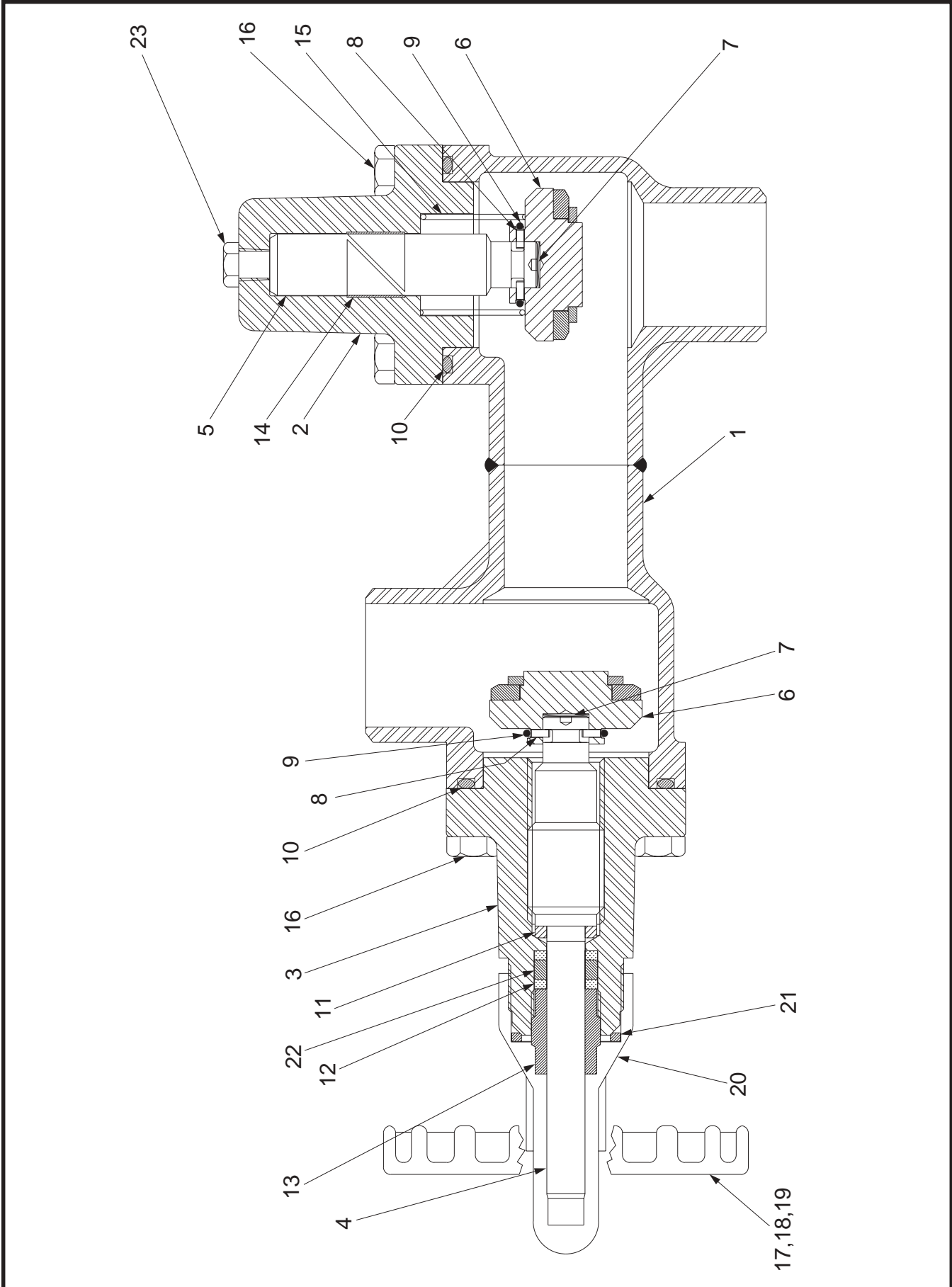


Figure 19. 2" Discharge Stop/Check Valve Assembly, RXF 12—19 (Frick).

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
19—	581D0075G01	2" Discharge Stop/Check Valve, HW (Frick)	Ref.	B	
	581D0075G02	2" Discharge Stop/Check Valve, SC (Frick)	Ref.	B	
—1	581C0110G01	Assembly, Valve Body	1		
—2	581C0320C01	Bonnet, Check Valve	1		
—3	581C0084C03	Bonnet, Stop Valve	1		
—4	581B0029H02	Stem, Stop Valve	1		
—5	581B0061H01	Stem, Check Valve	1		
—6	581C0046G03	Assembly, Button	2		
—7	581A0022H01	Washer, Spring, Curved	2		
—8	580A0090H01	Pin, Dowel	8		
—9	580A0092H01	Ring, Retaining	2		
—10	980A0014H43	O-ring	2		
—11	581B0033H01	Seal, Backseat	1		
—12	959A0055H11	Ring, Packing, Split	2		
—13	581B0031H01	Nut, Packing	1		
—14	580A0235H01	Liner, Bearing, Split	1		
—15	580A0276H01	Spring	1		
—16	901A0045D05	Capscrew, Hex Head	8		
—17	581B0001H02	Handwheel	1		
—18	581A0011H06	Washer, Spring	1		
—19	901A0041D02	Capscrew	1		
—20	581C0001H08	Seal Cap	1		
—21	580A0275H01	Gasket, Seal Cap	1		
—22	959A0056H11	Ring, Packing, Center	1		
—23	944A0011H01	Plug, Pipe, 1/4" NPT	1		
—24	957A0003H01	Valve, Angle, SC, 1/4 MPT x 1/4 FPT (not shown)	1		
		NOT SHOWN:			
	581C0152G01	2" Discharge Stop/Check Valve*, HW	Ref.	A	
	581C0152G02	2" Discharge Stop/Check Valve*, SC	Ref.	A	
	950A0133H01	2" Stop Valve, HW, Herl	1	B	
	82407543409	2" Stop Valve, HW, Gram	1		
	950A0133H02	2" Stop Valve, SC, Herl	1	B	
	82407544109	2" Stop Valve, SC, Gram	1		
		* See above for Check Valve breakdown.			

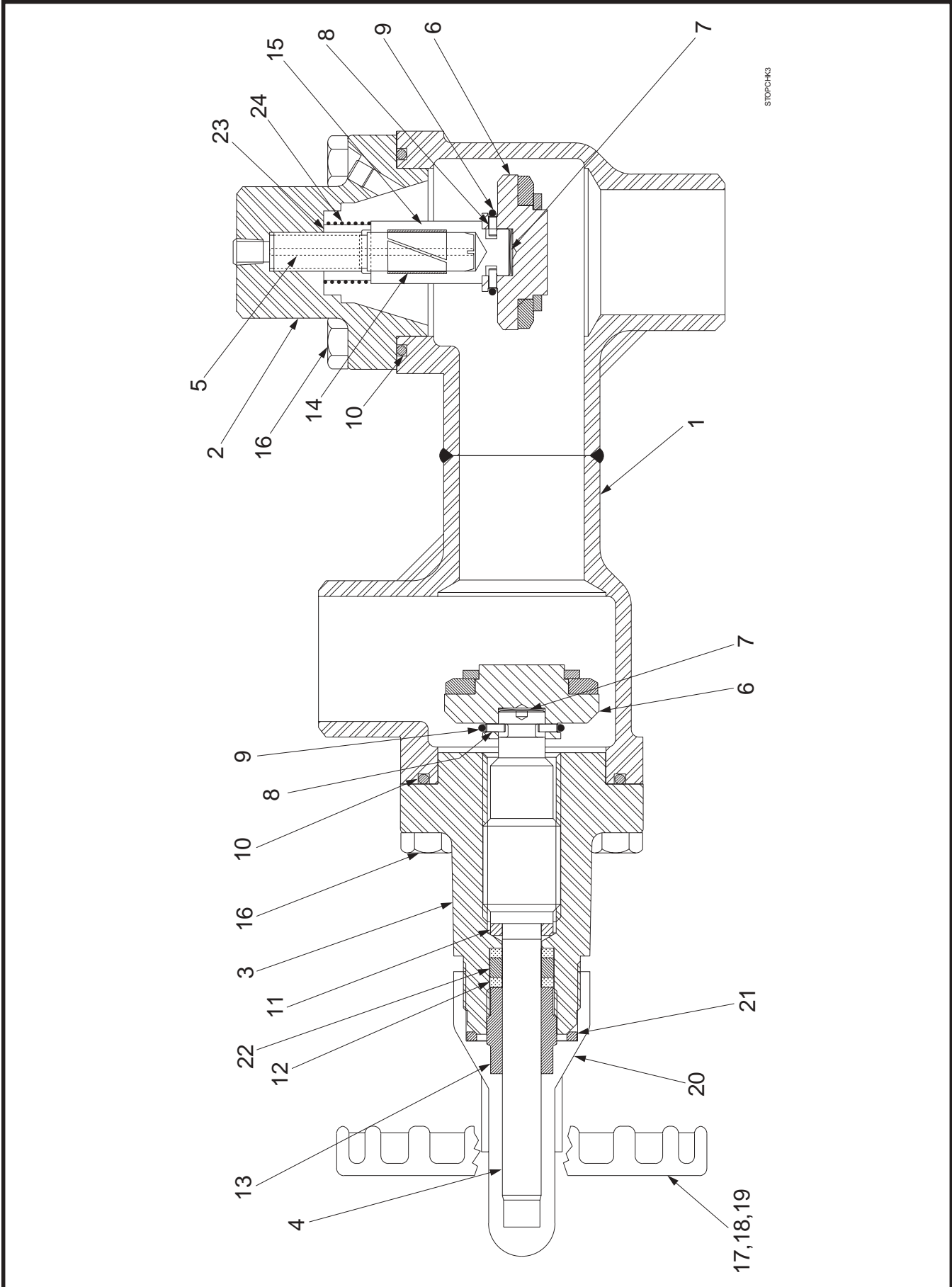


Figure 20. 3" Discharge Stop/Check Valve Assembly, RXF 24—50 (Frick).

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
20—	581C0107G01	3" Discharge Stop/Check Valve, SC (Frick)	Ref.	B	
	581C0107G02	3" Discharge Stop/Check Valve, HW (Frick)	Ref.	B	
—1	581C0110G01	Body, Valve, 3"	1		
—2	581C0104C01	Bonnet, Check Valve	1		
—3	581C0086C03	Bonnet, Stop Valve	1		
—4	581B0030H02	Stem, Stop Valve	1		
—5	581B0100H05	Shaft, Sliding Button	1		
—6	581C0046G05	Button Assembly	2		
—7	581A0022H02	Washer, Spring	2		
—8	580A0090H02	Pin, Button	8		
—9	580A0096H01	Ring, Retaining	2		
—10	980A0014H51	O-ring, Bonnet	2		
—11	581B0033H02	Seal, Backseat	1		
—12	959A0055H12	Ring, Packing, Split	2		
—13	581B0032H01	Nut, Packing	1		
—14	580A0235H01	Ring, Packing, Split	1		
—15	581B0052H05	Guide Bushing, Sliding Button	1		
—16	901A0046D04	Capscrew, Hex Head	8		
—17	581B0001H03	Handwheel	1		
—18	581A0011H07	Washer, Spring	1		
—19	581A0010H03	Capscrew	1		
—20	581C0001H09	Seal Cap 1			
—21	580A0275H02	Gasket, Seal Cap	1		
—22	959A0056H12	Ring, Packing, Center	1		
—23	580A0219H03	Spacer, Check Valve	1		
—24	580A0223H01	Spring, Return	1		
—25	957A0003H01	Valve, Angle, SC, 1/4 MPT x 1/4 FPT (not shown)	1		

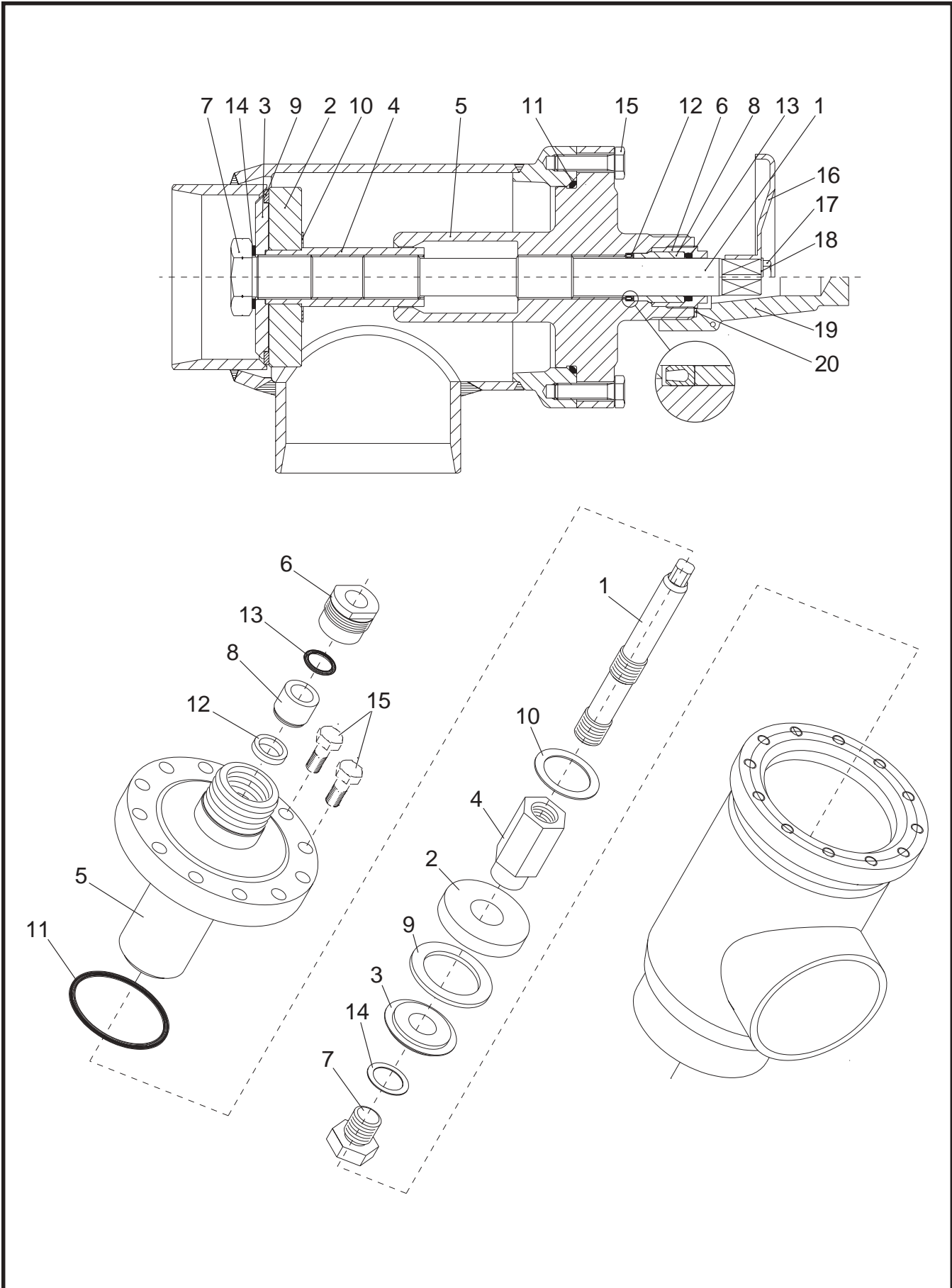


Figure 21. 3" Discharge Stop Valve Assembly, RXF 24—68 (Gram).

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
21—	581C0153G01	3" Discharge Stop/Check Valve*, HW (Gram/Frick)	Ref.	A	
	581C0153G02	3" Discharge Stop/Check Valve*, SC (Gram/Frick)	Ref.	A	
	950A0137G01	3" Stop Valve, HW (Gram 25 Ps)	1	C	
	950A0137G02	3" Stop Valve, SC (Gram 25 Ps)	1	C	
—1	724003174GR	Spindle	1		
—2	724003285GR	Cone	1		
—3	724003235GR	Plate	1		
—4	724003260GR	Guide	1		
—5	724001061GR	Cover, Top	1		
—6	724003460GR	Screw, Packing	1		
—7	724003210GR	Screw	1		
—8	724003485GR	Bushing	1		
—9	724003310GR	Seat	1		
—10	724003335GR	Seal	1		
—11	550845339GR	O-ring 1			
—12	550940233GR	U-sleeve	1		
—13	550845210GR	O-ring 1			
—14	550657045GR	Washer, 30 x 23 x 2	1		
—15	420098167GR	Screw	10		
—16	480012225GR	Handwheel	1		
—17	420092125GR	Screw, M16 x 35	1		
—18	421611056GR	Washer, M16	1		
—19	724003612GR	Cap	1		
—20	724003662GR	Seal	1		
		NOT SHOWN:			
	581C0161G01	3" Discharge Stop/Check Valve*, HW (Gram/Frick)	Ref.	—	
	581C0161G02	3" Discharge Stop/Check Valve*, SC (Gram/Frick)	Ref.	—	
	82409535309	3" Stop Valve, HW (Gram 40 Ps)	1		
	82409536309	3" Stop Valve, SC (Gram 40 Ps)	1		
		*Note: For Check Valve parts see Figure 20.			

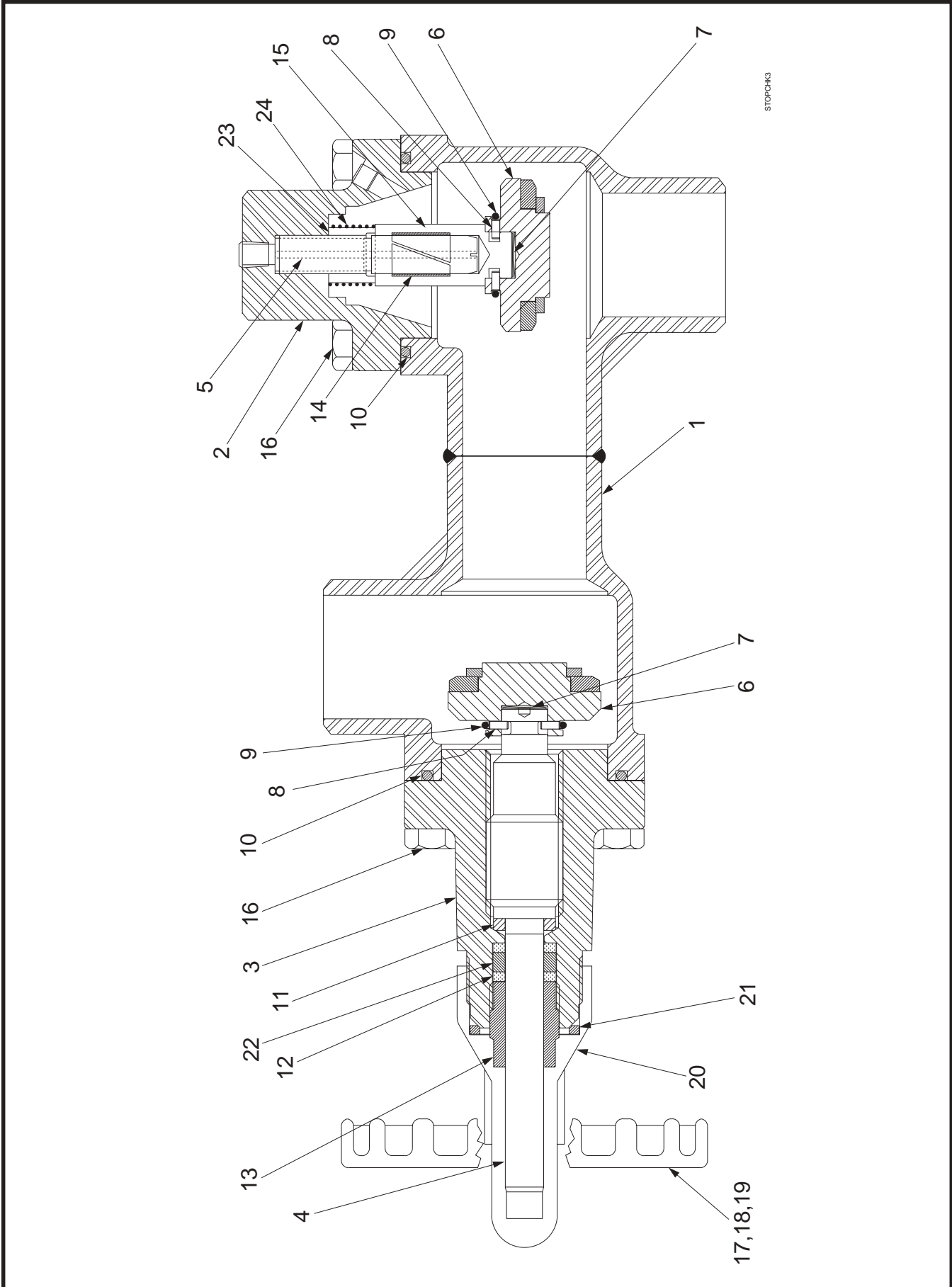


Figure 22. 4" Discharge Stop/Check Valve Assembly, RXF 58—101 (Frick).

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
22—	581C0109G01	4" Discharge Stop/Check Valve, SC (Frick)	Ref.	B	
	581C0109G02	4" Discharge Stop/Check Valve, HW (Frick)	Ref.	B	
—1	581C0110G02	Body, Valve, 4"	1		
—2	581C0105C01	Bonnet, Check Valve	1		
—3	581C0087C03	Bonnet, Stop Valve	1		
—4	581B0030H03	Stem, Stop Valve	1		
—5	581B0100H04	Shaft, Sliding Button	1		
—6	581C0046G06	Button Assembly	2		
—7	581A0022H02	Washer, Spring	2		
—8	580A0090H02	Pin, Button	8		
—9	580A0096H01	Ring, Retaining	2		
—10	980A0014H59	O-ring, Bonnet	2		
—11	581B0033H02	Seal, Backseat	1		
—12	959A0055H12	Ring, Packing, Split	2		
—13	581B0032H01	Nut, Packing	1		
—14	581A0027H01	Ring, Packing, Split	1		
—15	581B0052H04	Guide Bushing, Sliding Button	1		
—16	901A0047A05	Capscrew, Hex Head	8		
—17	581B0001H03	Handwheel	1		
—18	581A0011H07	Washer, Spring	1		
—19	581A0010H03	Capscrew, Hex Head	1		
—20	581C0001H09	Seal Cap 1			
—21	580A0275H02	Gasket, Seal Cap	1		
—22	959A0056H12	Ring, Packing, Center	1		
—23	580A0219H01	Spacer, Check Valve	1		
—24	580A0218H01	Spring, Return	1		
—25	957A0003H01	Valve, Angle, SC, 1/4 MPT x 1/4 FPT (not shown)	1		

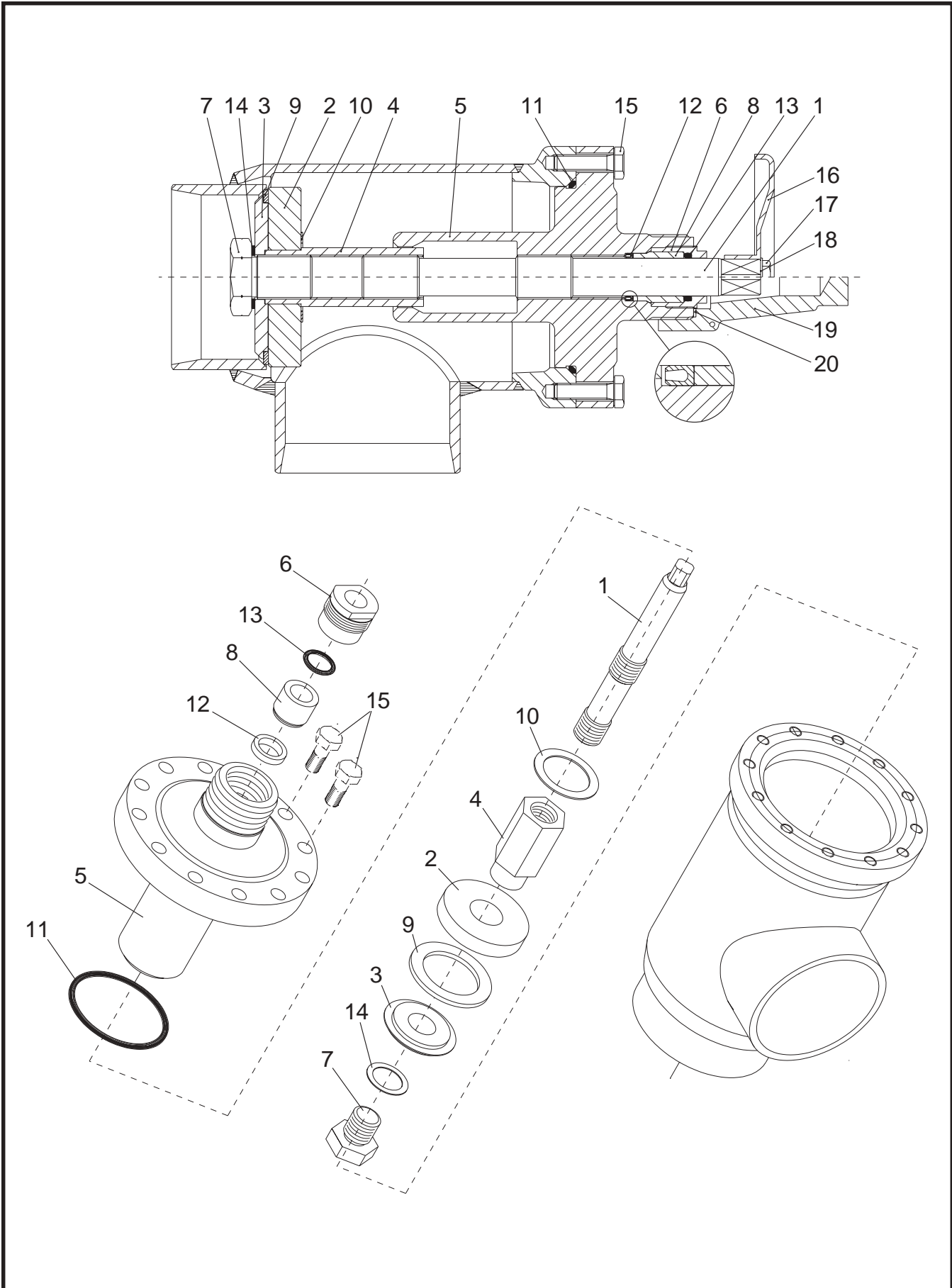


Figure 23. 4" Discharge Stop Valve Assembly, RXF 58—101 (Gram).

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
23—	581C0154G01	4" Discharge Stop/Check Valve*, HW (Gram/Frick)	Ref.	A	
	581C0154G02	4" Discharge Stop/Check Valve*, SC (Gram/Frick)	Ref.	A	
	950A0139G01	4" Stop Valve, HW (Gram 25 Ps)	1	C	
	950A0139G02	4" Stop Valve, SC (Gram 25 Ps)	1	C	
—1	724003177GR	Spindle	1		
—2	724003287GR	Cone	1		
—3	724003237GR	Plate	1		
—4	724003262GR	Guide	1		
—5	724001062GR	Cover, Top	1		
—6	724003462GR	Screw, Packing	1		
—7	724003212GR	Screw	1		
—8	724003487GR	Bushing	1		
—9	724003312GR	Seat	1		
—10	724003337GR	Seal	1		
—11	550840194GR	O-ring 1			
—12	550940238GR	U-sleeve	1		
—13	550845213GR	O-ring 1			
—14	550657046GR	Washer, 34 x 27 x 2	1		
—15	420098167GR	Screw	12		
—16	480012300GR	Handwheel	1		
—17	420092202GR	Screw, M12 x 25	1		
—18	421642107GR	Washer, M12	1		
—19	724003614GR	Cap	1		
—20	724003664GR	Seal	1		
		NOT SHOWN:			
	581C0162G01	4" Discharge Stop/Check Valve*, HW (Gram/Frick)	Ref.	—	
	581C0162G02	4" Discharge Stop/Check Valve*, SC (Gram/Frick)	Ref.	—	
	82410535409	4" Stop Valve, HW (Gram 40 Ps)	1		
	82410536409	4" Stop Valve, SC (Gram 40 Ps)	1		
		*Note: For Check Valve parts see Figure 22.			

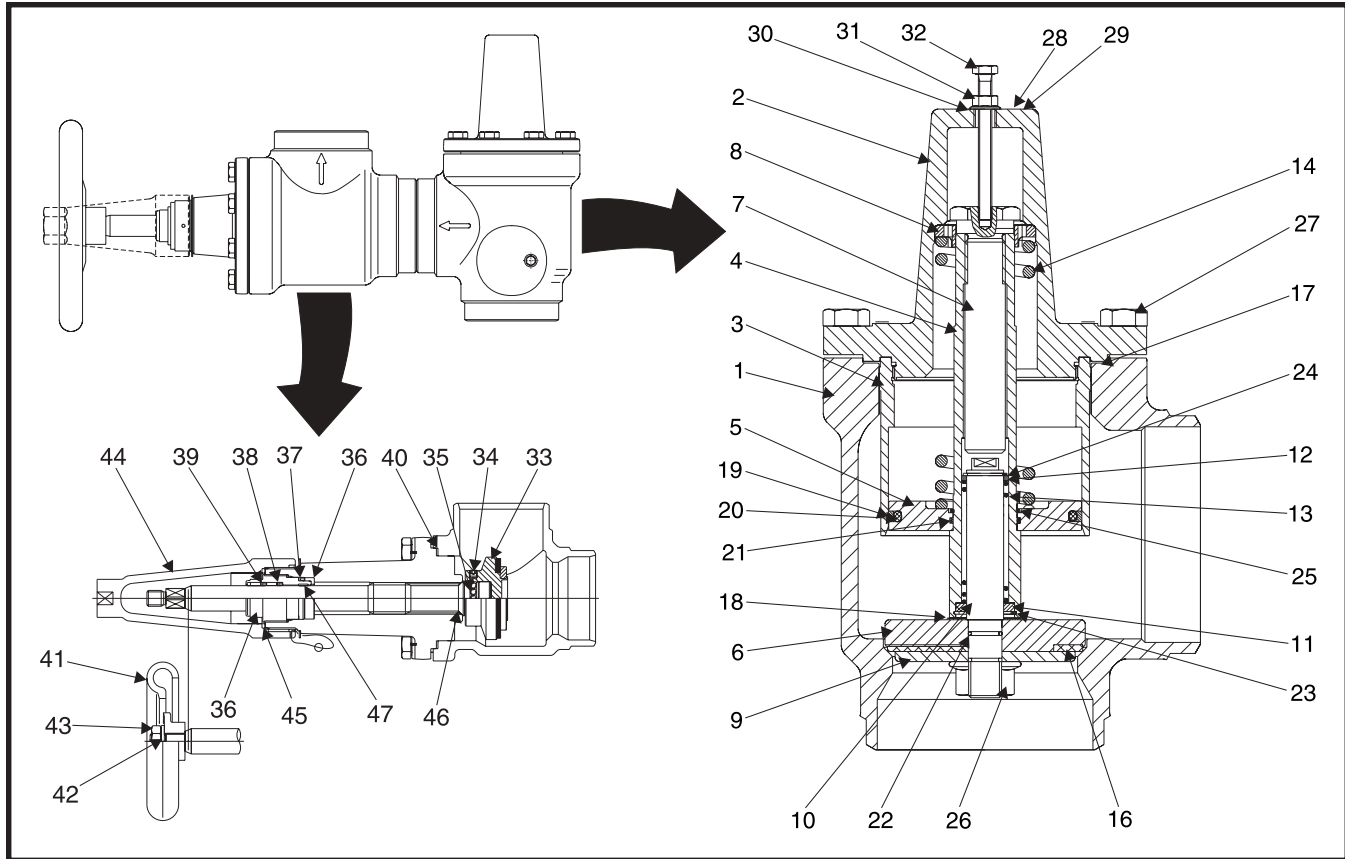


Figure 24. 2-1/2—4" Discharge Stop/Check Valve, Current (Danfoss).

Figure 24. 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

Fig. 24. 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
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

- (1) Consists of Cone, Setscrew, Steel Balls, O-ring, Cap Gasket, Soft Backseat.
- (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.
24—	—	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.

Figure 24. CHECK VALVE REPAIR KITS (See index above)						
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

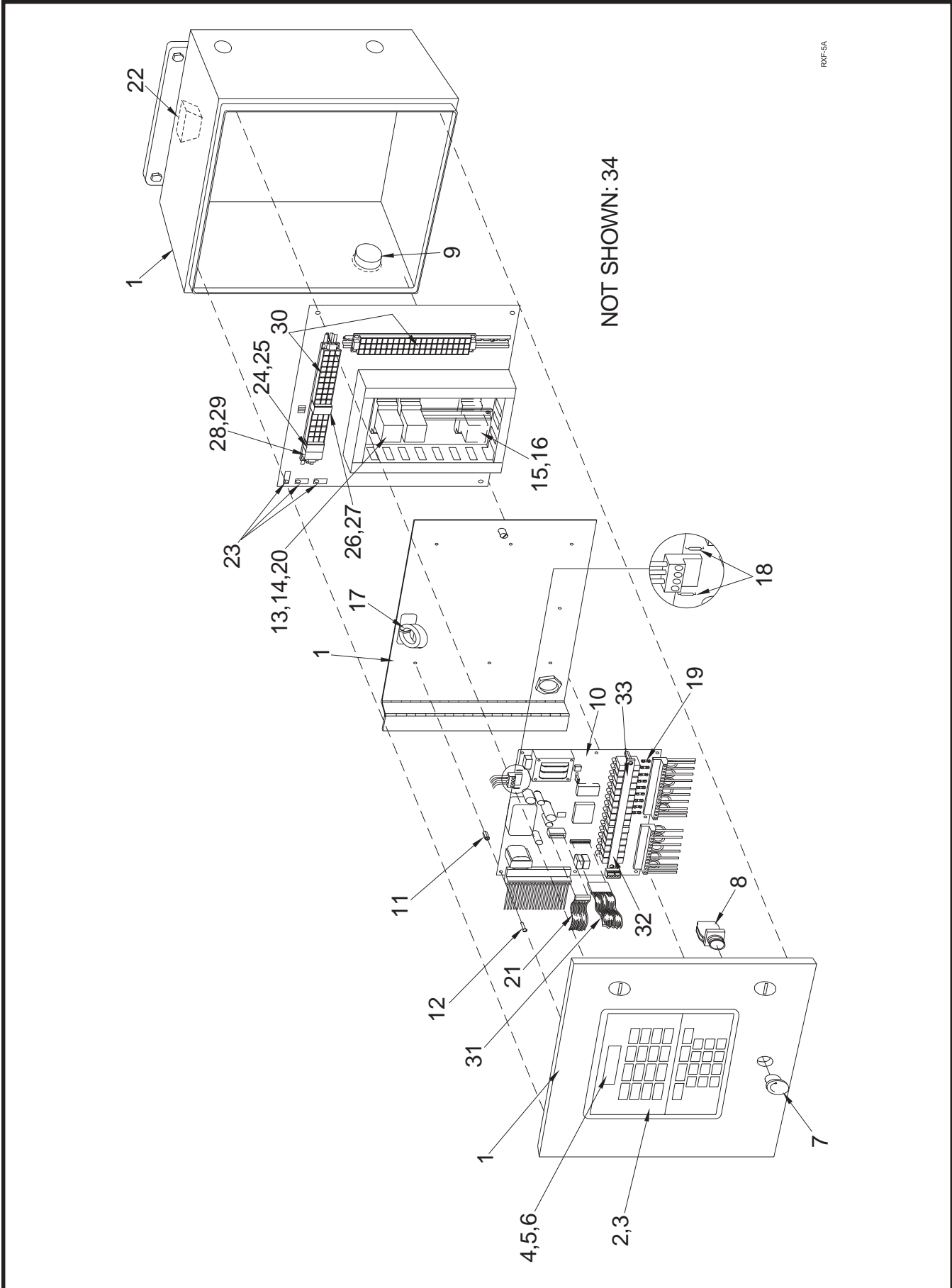


Figure 25. Microprocessor Control Center, Standard.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
25—	640D0029G01	Control Center, Microprocessor, Standard	Ref.	D	
—1	640D0050H01	Enclosure, Single Box	1		
—2	640D0010H01	Cover and Keypad (gasket included)	1		
—3	649A0162H01	Gasket, Cover (Not used after 8/98)	1		
—4	111Q0281048	Display	1		
—5	649A0263H01	Plexiglas, Display	1		
—6	111Q0940136	Spacer, Nylon	4		
—7	111Q0280832	Button, Emergency Stop	1		
—8	111Q0280833	Block, Contact	1		
—9	333Q0000261	Meter, Elapsed Time, 115V	1		
	333Q0000899	Meter, Elapsed Time, 220V	1		
—10	333Q0000549	Circuit Board, SBC	1	D	
—11	333Q0000211	Standoff	7		
—12	333Q0000212	Screw, 6/32 x 1/2"	7		
—13	111Q0451152	Relay, P & B, C-H, Siemens, 3PDT, 115V, Original Style	2		
	333Q0000206	Relay, IDEC, 3PDT, 115V, Current Style	2		
	333Q0000897	Relay, 220V, Current Style	2		
—14	111Q0452442	Base, For 111Q0451152	2		
	333Q0000207	Base, IDEC	2		
—15	333Q0000194	Relay, 2PDT, 115V (Optional)	1—5		
	333Q0000898	Relay, 2PDT, 220V (Optional)	1—5		
—16	333Q0000195	Base (Optional)	1—5		
—17	111Q0281059	Ring, Toroid	1		
—18	333Q0000573	Fuse, 1.5 Amp	2		
—19	333Q0000117	Fuse, 5 Amp	9		
—20	111Q0280958	Suppressor	2		
—21	640A0019H01	Cable, Ribbon, 14 Conductors	1		
—22	111Q0450790	Inhibitor, Corrosion	1		
—23	333Q0000566	Lug, Ground	2		
—24	111Q0281053	Fuse, 15 Amp	1		
—25	111Q0068849	Block, Fuse	1		
—26	111Q0280687	Fuse, 10 Amp	1		
—27	111Q0068849	Block, Fuse	1		
—28	111Q0281053	Fuse, 15 Amp (Heater Option)	1		
—29	111Q0068849	Block, Fuse (Heater Option)	1		
—30	333Q0001183	Block, Terminal	46		
—31	640B0019H03	Cable, Ribbon, 12 Conductors	1		
—32	333Q0000116	Module, Input, 115V	7		
	333Q0000789	Module, Input, 220V	7		
—33	111Q0281061	Module, Output	9		
—34	535A0250H01	Isolator, Vibration, RXF 12—50	4		
	535A0250H02	Isolator, Vibration, RXF 58—101	4		

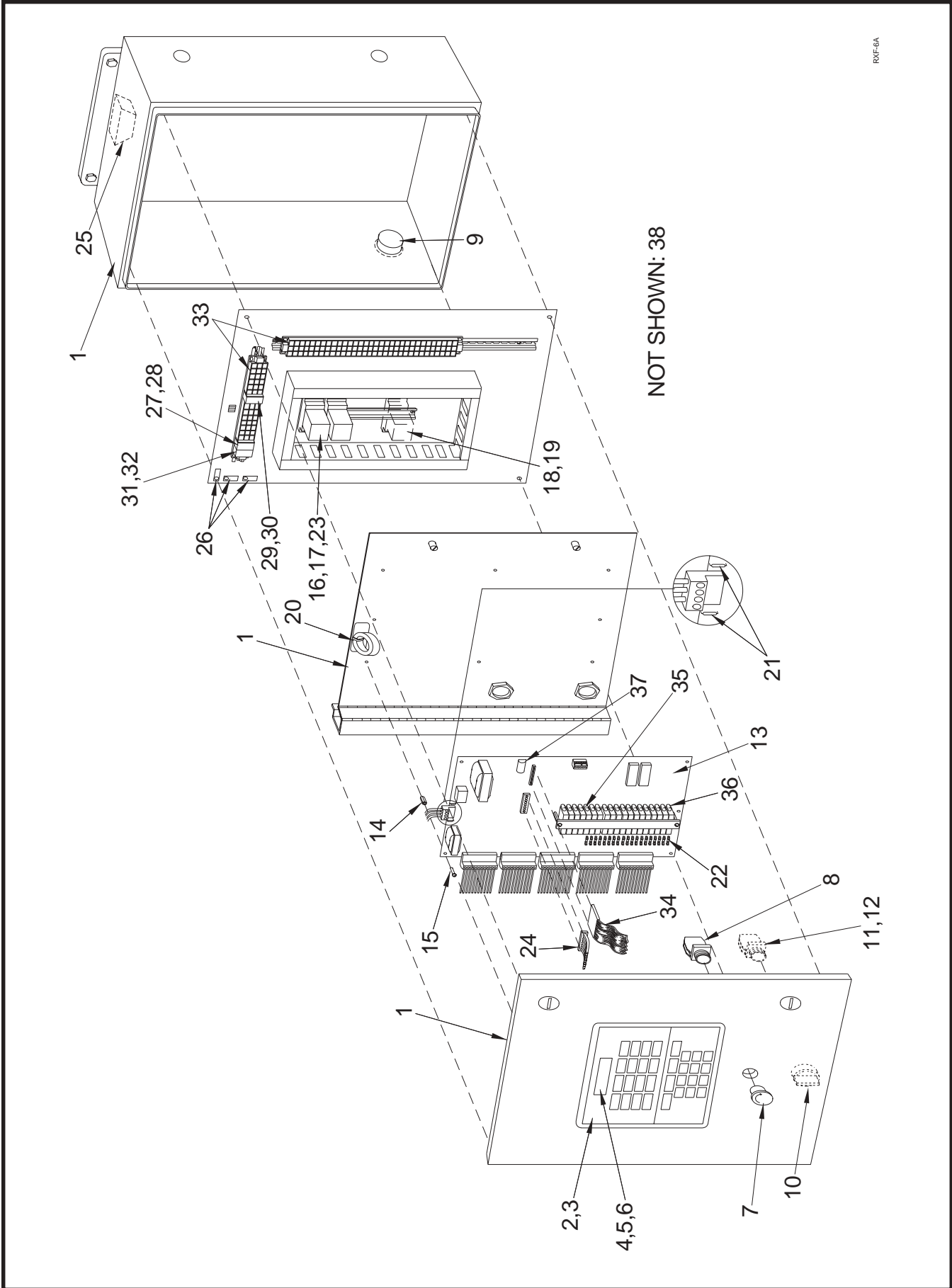


Figure 26. RXF Plus Microprocessor Control Panel.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
26—	640D0055G01	Control Center, Microprocessor, RFX Plus	Ref.	E	
—1	640D0051H01	Enclosure, Single Box	1		
—2	640D0010H01	Cover and Keypad (gasket included)	1		
—3	649A0162H01	Gasket, Cover (Not used after 8/98)	1		
—4	333Q0000709	Display	1		
—5	649A0263H01	Plexiglas, Display	1		
—6	111Q0940136	Spacer, Nylon	4		
—7	111Q0280832	Button, Emergency Stop	1		
—8	111Q0280833	Block, Contact	1		
—9	333Q0000261	Meter, Elapsed Time, 115V	1		
	333Q0000899	Meter, Elapsed Time, 220V	1		
—10	111Q0451178	Switch, Three Position (Optional)	1		
—11	111Q0451159	Block, Contact, 1 N.O. (Optional)	1		
—12	111Q0451160	Block, Contact, 2 N.O. (Optional)	1		
—13	333Q0000548	Circuit Board, SBC	1	D	
—14	333Q0000211	Standoff	8		
—15	333Q0000212	Screw, 6/32 x 1/2"	8		
—16	333Q0000206	Relay, IDEC, 3PDT	2		
—17	333Q0000207	Base, IDEC	2		
—18	333Q0000194	Relay, 2PDT, 115V (Optional)	1—5		
	333Q0000898	Relay, 2PDT, 220V (Optional)	1—5		
—19	333Q0000195	Base (Optional)	1—5		
—20	111Q0281059	Ring, Toroid	1		
—21	333Q0000573	Fuse, 1.5 Amp (For F-1)	2		
—22	333Q0000117	Fuse, 5 Amp	16		
—23	111Q0280958	Suppressor	2		
—24	640B0020H01	Cable, Ribbon, 16 Conductors	1		
—25	111Q0450790	Inhibitor, Corrosion	1		
—26	333Q0000566	Lug, Ground	2		
—27	111Q0281053	Fuse, 15 Amp	1		
—28	111Q0068849	Block, Fuse	1		
—29	111Q0280687	Fuse, 10 Amp	1		
—30	111Q0068849	Block, Fuse	1		
—31	111Q0281053	Fuse, 15 Amp (Heater Option)	1		
—32	111Q0068849	Block, Fuse (Heater Option)	1		
—33	333Q0001183	Block, Terminal	54		
—34	640B0019H03	Cable, Ribbon, 12 Conductors	1		
—35	333Q0000116	Module, Input, 115V	8		
	333Q0000789	Module, Input, 220V	8		
—36	111Q0281061	Module, Output	16		
—37	649A0260H01	Kit, 3.6V Backup Battery	1		
—38	535A0197H01	Isolator, Vibration, RFX 12—50	4		
	535A0250H03	Isolator, Vibration, RFX 58—101	4		

RXF ROTARY SCREW COMPRESSOR UNIT
SERVICE PARTS LIST

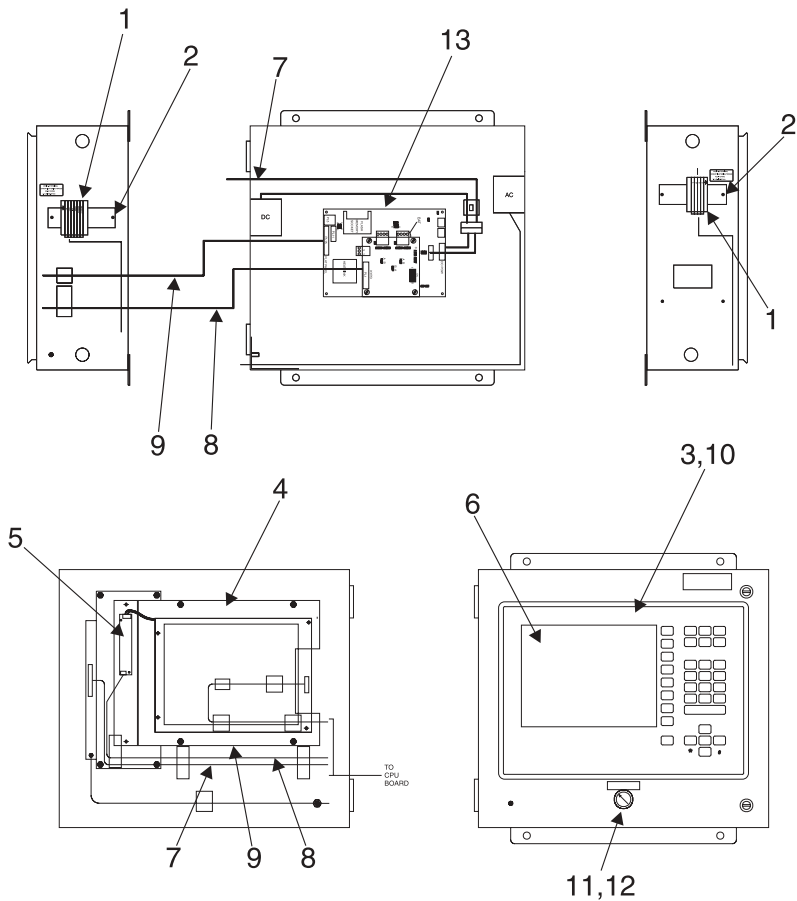
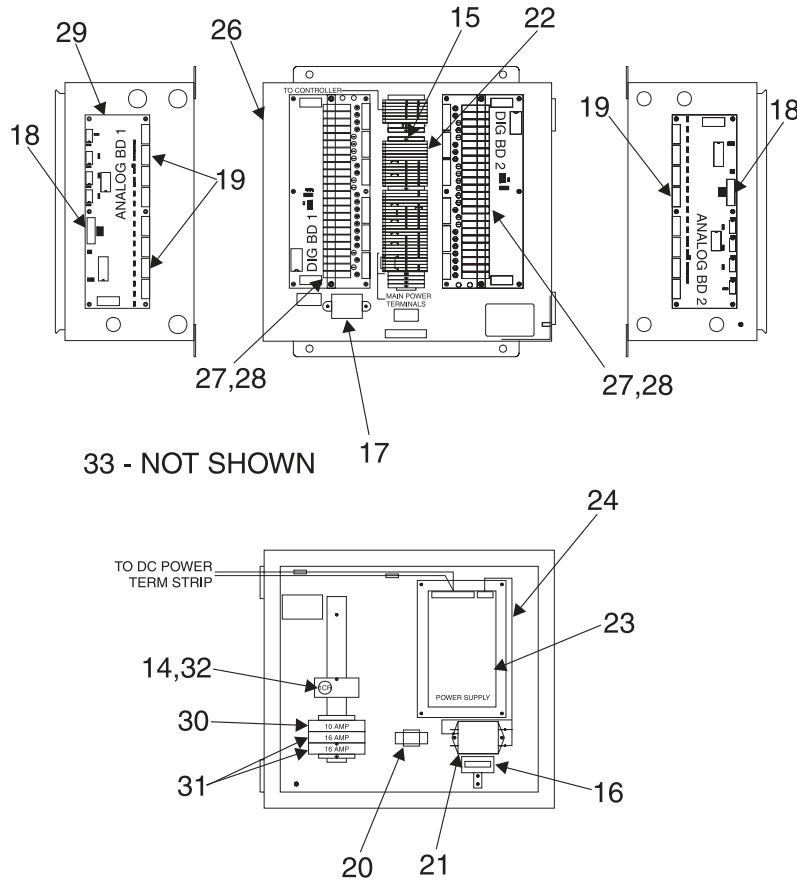


Figure 27. Quantum™ Control Panel, RXF 12 — 50.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
27—	649D4598	Assembly, Quantum™ Control Center	Ref.	D	
	649D4598G01	Quantum™ Control CPU	1		
—1	333Q0001183	Block, Terminal	10		
—2	333Q0001185	Block, Terminal, Ground	2		
—3	333Q0001300	Insulator, Keypad	1		
—4	649C1078H01	Display, 10.4", Philips (See Chart Page 61) (a)	1		
	333Q0001581	Display, 10.4", Sharp (See Chart Page 61) (a)	1		
—5	333Q0001582	Inverter, Sharp & Philips	1		
—6	640A0032H01	Plexiglas, Display	1		
—7	640B0031H01	Cable, Key Pad	1		
—8	See Chart Pg. 61	Cable, CCFT Backlight Inverter (for Sharp & Philips Display)	1		
—9	See Chart Pg. 61	Cable, LCD Display (for Sharp)	1		
	See Chart Pg. 61	Cable, LCD Display (for Philips)	1		
	See Chart Pg. 61	Cable, LCD Display/Inverter, Quantum™ IV	1		
—10	640D0060H01	Keypad	1		
—11	333Q0001649	Switch, Power	1		
—12	333Q0001764	Block, Contact	1		
—13	649C1083G01	Circuit Board, CPU Quantum™ I, II, III to IV (b)	1		
	649C1091G01	Circuit Board, CPU Quantum™ IV	1		
	649D4598G02	Quantum™ Control I/O	1		
—14	111Q0280958	Suppressor, Surge, 600 VDC, .1 MFD	1		
—15	333Q0001185	Block, Terminal, Ground	6		
—16	333Q0001191	Meter, Hour	1		
—17	333Q0001192	Transformer, 2.5V	1		
—18	333Q0001234	Connector, 8 Pole	1		
—19	333Q0001258	Connector, 6 Pole	14		
—20	333Q0001404	Tube, Ferrite	1		
—21	333Q0001418	Filter, Line, EMI/RFI	1		
—22	333Q0001423	Block, Terminal	32		
—23	640C0022G01	Power Supply, Condor	1		
—24	640B0048H01	AC Wiring Harness, Power Supply	1		
—25	not used				
—26	640C0024G01	Circuit Board, Digital (c)(e)	1		
	333Q0001326	Fuse, 5 Amp, 250V	24		F1-24
—27	111Q0281061	Module, Output, 280V (For 115/230V)	11		
—28	333Q0000116	Module, Input, 90-140V (For 115V)	2/6		
—29	640C0026G01	Circuit Board, Analog (d)(e)	1		
—30	649A0883H10	Circuit Breaker, 10 Amp	1		
—31	649A0883H16	Circuit Breaker, 16 Amp	1		
—32	333Q0000194	Relay, DPDT, 10 Amp, 120VAC	1		1CR
	333Q0000898	Relay, 2PDT, 240VAC	1		1CR
	333Q0000196	Spring, Hold Down	2		
—33	640B0039H01	Plug, Shunting (f)			
<p>(a) Phillips Display cannot be used with Quantum™ I or II boards. When replacing display on Quantum™ I & II boards, use Sharp Display Assembly or Display only. See also Charts Page 60 & 61.</p> <p>(b) 333Q0001786 Batteries are included with Circuit Board Assembly.</p> <p>(c) Digital Circuit Board Assembly includes eeprom and stand-offs, but not input/output modules.</p> <p>(d) Analog Circuit Board Assembly includes eeprom and stand-offs. For analog output component options, or when adding options with second circuit board, contact Frick Controls.</p> <p>(e) Digital & Analog Boards are shipped with DIP switches configured as Board 1. If board is to be used as Board 2, the DIP switches need to be configured as shown in Quantum™ Maintenance Manual S90-010M.</p> <p>(f) Plugs into DC Power Harness in absence of a board.</p> <p>NOTE: When retrofitting Quantum™ I, II & III boards to Quantum™ IV, use p/n 649C1083G01.</p>					

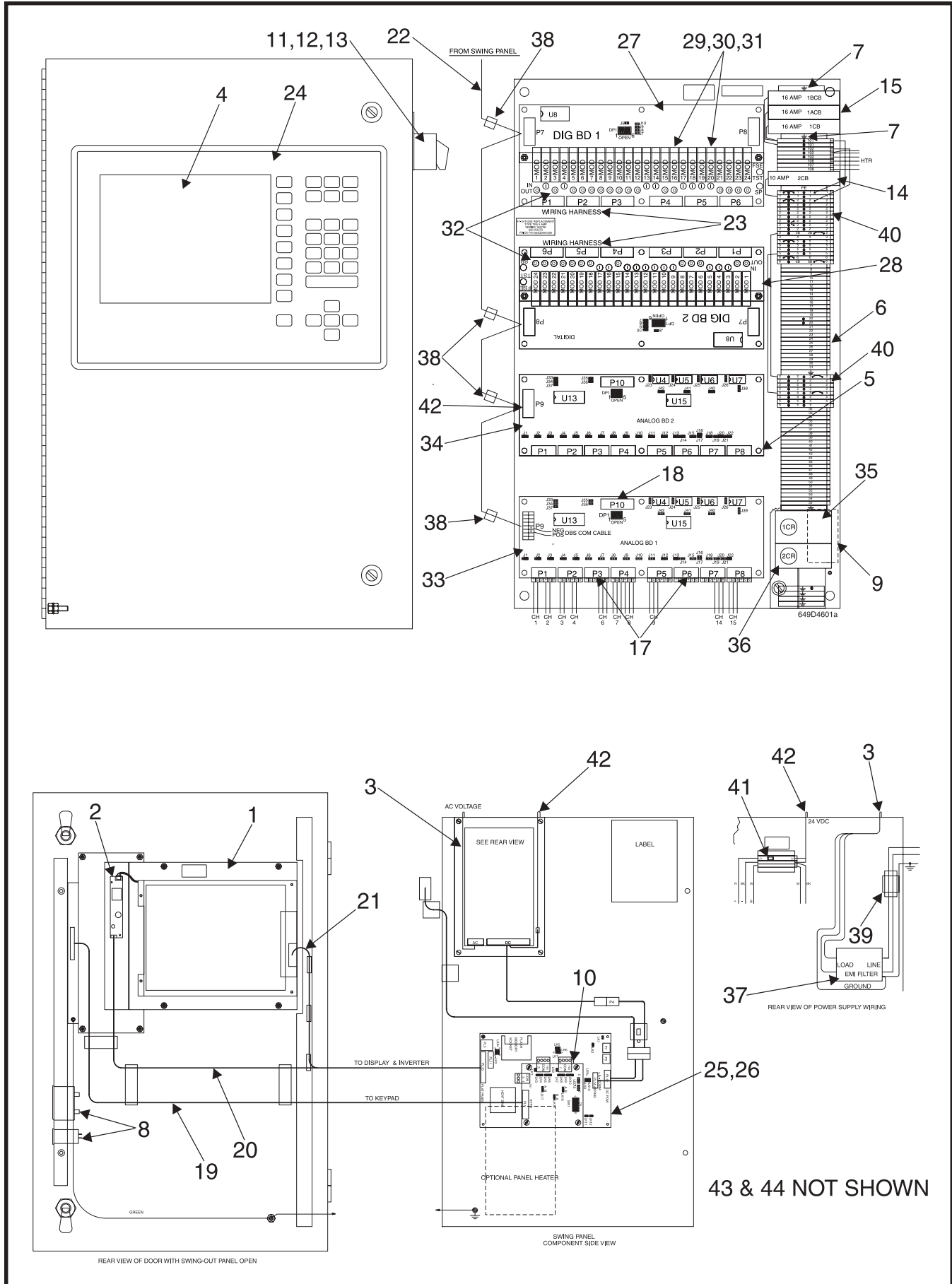


Figure 28. Quantum™ Control Panel, RFX 58 — 101.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
28—	640D0133	Quantum™ Control Panel Assembly (single box)	Ref.	J	
—1	640C0052G01	Assembly, VGA Display, Philips (See Chart Page 60 & 61) (a)	1		
	640C0021G01	Assembly, VGA Display, Sharp (See Chart Page 60 & 61) (a)	1		
—2	333Q0001582	Inverter, Sharp & Phillips	1		
—3	640C0022G01	Kit, Power Supply, Condor to Condor	1		
	640C0022G11	Kit, Power Supply, Power One to Condor	1		
—4	640A0032H01	Plexiglas, Display	1		
—5	333Q0001199	Stand-off, Circuit Board	20		
—6	333Q0001183	Block, Terminal	34		
—7	333Q0001185	Block, Terminal, Ground	8		
—8	333Q0000261	Meter, Elapsed Time (ETM), Round, 115V	1		
	333Q0000899	Meter, Elapsed Time (ETM), Round, 230V	1		
	333Q0001191	Meter, Elapsed Time (ETM), Digital, 115/230V	1		
—9	333Q0001192	Transformer, 2.5V	1		
—10	333Q0001786	Battery, 3V	2		
—11	333Q0001194	Switch, Power	1		
—12	333Q0001195	Block, Contact, Power Switch	1		
—13	333Q0001196	Plate, ON-OFF	1		
—14	649A0883H10	Circuit Breaker, 10 Amp	1		
—15	649A0883H16	Circuit Breaker, 16 Amp	1—3		
—16	not used				
—17	333Q0001258	Connector, 6 Pole	8		
—18	333Q0001234	Connector, 8 pole	A/R		
—19	640B0031H01	Cable, Key Pad	1		
—20	See Chart Pg. 60/61	Cable, CCFT Backlight Inverter (for Sharp & Philips Display)	1		
—21	See Chart Pg. 60/61	Cable, LCD Display (Philips)	1		
	See Chart Pg. 60/61	Cable, Display, Inverter, Quantum IV	1		
—22	640B0038H01	DC Cable Harness, Power Supply	1		
—23	640B0041H01	Cable Harness, Digital, Board 1	1		
	640B0042H01	Cable Harness, Digital, Board 2	1		
—24	640D0060H01	Cover and Keypad	1		
—25	649C1083G01	Circuit Board, Main (Arcom), Quantum™ I, II, & III to IV(c)	1		
—26	649C1091G01	Circuit Board, Main (Arcom), Quantum™ IV	1		
—27	640C0024G01	Circuit Board (Digital Board 1) (d)	1		
—28	640C0024G02	Assembly, Circuit Board (Digital Board 2) (d)	1		
—29	111Q0281061	Module, Output, 280V (For 115/230V)	11		
—30	333Q0000116	Module, Input, 90-140V (For 115V)	6		
—31	333Q0000789	Module, Input, 230V	3		
—32	333Q0001326	Fuse, 5 Amp, 250V	24		F1-24
—33	640C0026G01	Circuit Board (Analog Board 1) (e)	1		
—34	640C0026G02	Assembly, Circuit Board (Analog Board 2) (e)	1		
—35	333Q0000206	Relay, 3PDT, 115V (Base 333Q0000207)	1		1CR
	333Q0000897	Relay, 3PDT, 230V (Base 333Q0000207)	1		1CR
	111Q0280958	Suppressor, Surge, 600 VDC, .1 MFD	1		
	333Q0000196	Spring, Hold Down	2		
—36	333Q0001095	Relay, 2PDT, 24VDC (Base 333Q0000195)	1		2CR
	111Q0831800	Rectifier	1		
—37	333Q0001418	Filter, Line, EMI/RFI	1		
—38	333Q0001425	Clamp, Ferrite	4		
—39	333Q0001404	Tube, Ferrite	1		
—40	333Q0001423	Block, Terminal	26		
—41	333Q0001672	Fuse, 2 Amp	1		
—42	640A0058H01	Assembly, Cable, 24VDC	1		
	640B0039H01	Plug, Shunting (b)	1		
—43	649D4690H01	Harness, DC Analog, Internal	1		
—44	649D4859H01	Harness, AC, Heaters & Valves	1		
<p>(a) Phillips Display cannot be used with Quantum™ I or II boards due to voltage differences. When replacing display on Quantum™ I & II boards, use Sharps Display Assembly or Display only. See Charts Page 60 & 61.</p> <p>(b) Plugs into DC Power Harness in absence of a board.</p> <p>(c) Order 649C1083G01 to replace a Quantum™ I, II or III board.</p> <p>(d) Digital Circuit Board Assembly includes eprom and stand-offs, but not input/output modules.</p> <p>(e) Analog Circuit Board Assembly includes eprom and stand-offs. For analog output component options, or when adding options with second circuit board, contact Frick Controls.</p>					
<p>NOTE: To order chips contact Frick Controls. Have original sales order number and current version of chips.</p>					

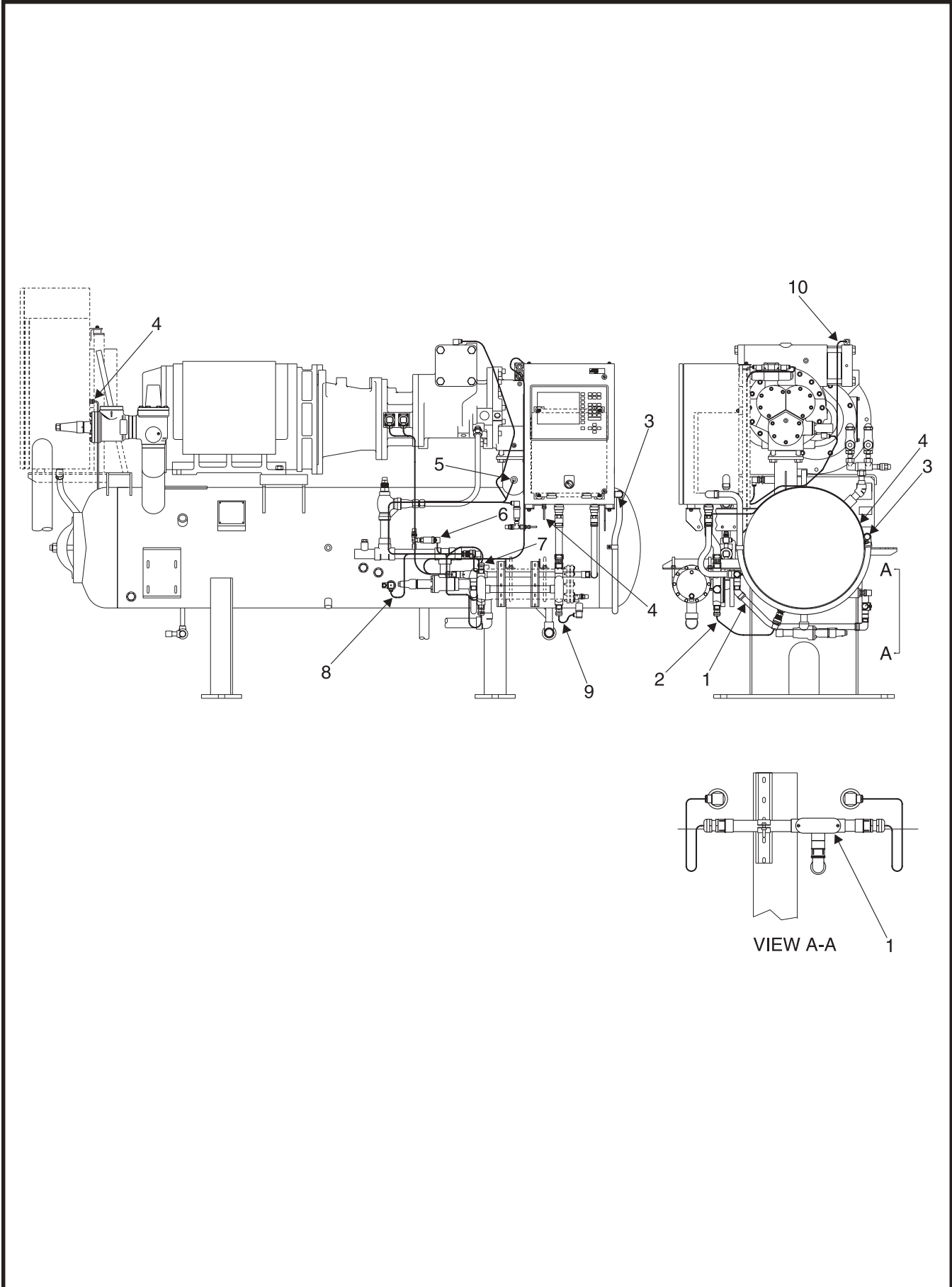


Figure 29. Wiring Harness Assembly, RXF 58 — 101.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
29—	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	649D4820H01	Wire Harness, DBS to Quantum™ (external)	1		
—4	649A0893H01	Cable Assembly, DBS Communications to Quantum™	1		
—5	913A0101H11	Sensor, Discharge Temperature	1		
—6	913A0110H01	Transducer, 0—200 PSIA, Quantum™ (DIN 649A0890H01)	1		
	913A0110H02	Transducer, 0—500 PSIA, Quantum™ (DIN 649A0890H01)	1		
—7	913A0101H11	Sensor, Oil Temperature	1		
—8	536A1419H01	Sensor, Oil Level	1		
—9	913A0101H11	Sensor, Separator Oil Temperature	1		
—10	913A0101H11	Sensor, Suction Temperature, Quantum™ only	1		



VALVE CROSS REFERENCE					
VALVE DESCRIPTION	FRICK	HERL	GRAM 25PS	GRAM 40PS	DANFOSS
Valve, Angle, SC, 1/2" SW	580D0165G11	950A0117H02	-	82402549409	950A0233H01
Valve, Angle, SC, 3/4" SW	580D0165G07	950A0119H02	-	82403549509	950A0233H02
Valve, Angle, SC, 1" SW	580D0165G03	950A0121H02	-	82404549609	950A0233H03
Valve, Angle, SC, 1-1/4" SW	580D0163G04	950A0123H02	-	82405549709	950A0233H04
Valve, Angle, SC, 1-1/2" SW	580D0167G04	950A0125H02	-	82406549809	950A0233H05
Valve, Globe, SC, 1/2" SW	580D0165G09	950A0118H02	-	82402550809	950A0245H01
Valve, Globe, SC, 3/4" SW	580D0165G05	950A0120H02	-	82403550909	950A0245H02
Valve, Globe, SC, 1" SW	580D0165G01	950A0122H02	-	82404551009	950A0245H03
Valve, Angle, SC, 1/2" NPT	580D0047G02	950A0109H02	-	82402546409	950A0237H01
Valve, Angle, SC, 3/4" NPT	580D0043G02	950A0111H02	-	82403546509	950A0237H02
Valve, Angle, SC, 1" NPT	580D0039G02	950A0113H02	-	82404546609	950A0237H03
Valve, Globe, SC, 1/2" NPT	580D0047G01	950A0110H02	-	82402548009	950A0249H01
Valve, Globe, SC, 3/4" NPT	580D0043G01	950A0112H02	-	82403548109	950A0249H02
Valve, Angle, HW, 2-1/2" WIL	581D0064G03	-	950A0135G01	82408535209	950A0240H07
Valve, Angle, SC, 2-1/2" WIL	581D0064G04	-	950A0135G02	82408536209	950A0241H07
Valve, Angle, HW, 3" WIL	581D0065G03	-	950A0137G01	82409535309	950A0240H08
Valve, Angle, SC, 3" WIL	581D0065G04	-	950A0137G02	82409536309	950A0241H08
Valve, Angle, HW, 4" WIL	581D0066G03	-	950A0139G01	82410535409	950A0240H09
Valve, Angle, SC, 4" WIL	581D0066G04	-	950A0139G02	82410536409	950A0241H09
Valve, Angle, HW, 5" WIL	581D0038G03	-	950A0141G01	82411535509	950A0240H10
Valve, Angle, SC, 5" WIL	581D0038G04	-	950A0141G02	82411536509	950A0241H10

NOTE: Danfoss valves are current. See also Shutoff Valve Identification Guide 1/4—12" S160-800 SPL.

FRICK COMPRESSOR OILS			
Number	5 Gallon	55 Gallon	330 Gallon
2A	111Q0550019	111Q0550020	—
3	111Q0550001	111Q0550010	333Q0001861
4	—	111Q0550005	—
5	111Q0550008	111Q0550009	—
6	333Q0000940	333Q0000941	—
7	111Q0550024	111Q0550025	—
9	333Q0000850	333Q0000849	333Q0001862
10	333Q0000740	333Q0000739	—
11	333Q0000852	333Q0000851	333Q0001863
12	333Q0001141	333Q0001142	—
13	333Q0001253	333Q0001254	—
14	333Q0001144	333Q0001145	—

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

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

* Spray Can

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

REMANUFACTURED QUANTUM™ PARTS	
Part Number	Description
649A0985G01	Quantum™ III to Quantum™ III CPU
649A0985G11	Quantum™ IV to Quantum™ IV CPU
649A0985G21	Digital I/O Board
649A0985G31	Analog I/O Board
649A0985G41	DC Power Supply (Condor to Condor)
649A0985G51	Display Assembly (L.G. Philips to L.G. Philips)
649A0985G61	Display Assembly (Sharp to Sharp)

QUANTUM™ DISPLAY ASSEMBLY COMPONENT REPLACEMENT GUIDE					
DESCRIPTION		MANUFACTURER			
		SAMSUNG	NEC (OBSOLETE)	SHARP	L G PHILIPS (b) (CURRENT)
Quantum™ I, II, III	10.4" TFT Display	333Q0001180	333Q0001494	333Q0001581	649C1078H01
	Backlight Inverter	333Q0001582 (or 333Q0001181)	333Q0001495	333Q0001582	333Q0001582
	Cable - CPU to Display	640B0036H01	640B0043H01	640B0045H01	640B0065H01
	Cable - CPU to Inverter	640B0032H01	640B0044H01	640B0032H01	640B0032H01
	Replacement - Backlight	Not Available	333Q0001587	333Q0001588	333Q0001785
	Display Replacement Assy.	640C0021G01	640C0021G01 Rev A	640C0021G01 Rev B	640C0052G01
Quantum™ IV	10.4" TFT Display	333Q0001180	See Note (a)	333Q0001581	649C1078H01
	Backlight Inverter	333Q0001582 (or 333Q0001181)		333Q0001582	333Q0001582
	Cable - CPU to Display/Inverter	649D4824H01		649D4824H01	649D4824H01
	Replacement - Backlight	Not Available		333Q0001588	333Q0001785
	Display Replacement Assy.	640C0021G01		640C0021G01 Rev B	640C0052G01

- a. When upgrading from Quantum III with an NEC Display, to the Quantum IV, the display will need to be upgraded also. See Fig. 27/28.
- b. L.G. Philips is to be used on Quantum III & IV boards only

MISCELLANEOUS TUBING AND CONNECTORS	
111Q0350059	Connection, 1/2 ODF x 3/8" MPT
111Q0350715	Connection, 1/2 ODF x 1/2" MPT
111Q0350956	Connection, 1/2 ODF x 3/4" MPT
111Q0350958	Elbow, 3/4 ODT x 3/4" MPT
111Q0350970	Connection, Steel, 3/4 ODF x 3/4" MPT
111Q0350990	Connection, 1" ODF x 1" MPT
111Q0351015	Connection, Steel, 3/4 ODF x 1" MPT
111Q0351034	Connection, Steel, 3/4 ODF x 1/2" MPT
111Q0351098	Connection, 1" ODT x 1" FPT
111Q0880123	Tubing, Steel, 1/2 x .035" wall
111Q0880127	Tubing, Steel, 3/4 x .049" wall
111Q0880337	Tubing, Stainless Steel, 3/8 x .035" wall
111Q0880339	Tubing, Steel, 1 x .049" wall
111Q0880452	Tubing, Stainless Steel, 1/4 x .035" wall
333Q0000012	Connection, 3/4 ODT x 3/4" FPT
333Q0000467	Connection, Bulkhead, 1/4 ODT x 1/4" MPT
944A0113H01	Elbow, Stainless Steel, 1/4 ODT x 1/8" MPT
944A0113H02	Elbow, Stainless Steel, 1/4 ODT x 1/4" MPT
944A0113H03	Elbow, Stainless Steel, 3/8 ODT x 1/4" MPT
944A0113H05	Connection, 1/2 ODF x 3/8" MPT
944A0116H02	Connection, Stainless Steel, 1/4 ODT x 1/4" MPT
944A0116H05	Connection, Stainless Steel, 3/8 ODT x 1/4" MPT
944A0116H06	Connection, Stainless Steel, 3/8 ODT x 1/8" MPT
944A0116H07	Connection, Stainless Steel, 3/8 ODT x 3/8" MPT
944A0117H01	Connection, 1/4 OD x 1/8" FPT
944A0118H02	Union, Stainless Steel, 3/8" ODT
944A0119H02	Tee Union, Stainless Steel, 3/8" Tube
944A0121H03	Tee, Female, Branch, Stainless Steel, 3/8 x 1/4 FPT x 3/8"
944A0122H02	Tee, Stainless Steel, 1/4 x 1/4" MPT
944A0197H02	Tee, Male Run, 1/4 MPT x 1/4" FPT
944A0197H03	Tee, Male Run, 3/8 MPT x 3/8" FPT
944A0211H02	Elbow, Street, 1/4"
944A0235H12	Connector, Male, 1" ODT x 1-1/16-12 SAE (O-ring 980A0012K66)
944A0246H01	Adapter, 9/16-18 SAE x 1/4 NPTF (O-ring 980A0012K60)
944A0248H02	Elbow, 1/4" ODT x 7/16-20 SAE (O-ring 980A0012K58)
944A0248H04	Elbow, 3/8" ODT x 9/16-18 SAE (O-ring 980A0012K60)
944A0288H08	Elbow, 3/4" ODT x 1-1/16-12 SAE (O-ring 980A0012K66)
944A0439H01	Nipple, 1/4-18 x 1-1/2", SS
944A0439H02	Nipple, 1/4-18 x 2", SS
944A0439H03	Nipple, 1/4-18 x 3", SS
944A0439H04	Nipple, 3/8-18 x 2", SS

RXF ROTARY SCREW COMPRESSOR UNIT
NUMERICAL PARTS LIST



ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.
111Q0043229	3—29	111Q0940051	6—9	333Q0001183	28—6
111Q0043231	3—29	111Q0940051	6—9	333Q0001185	27—2
111Q0068849	25—25	111Q0940136	25—6	333Q0001185	27—15
111Q0068849	25—27	111Q0940136	26—6	333Q0001185	28—7
111Q0068849	25—29	111Q0993344	3—9	333Q0001191	27—16
111Q0068849	26—28	111Q0993344	4—9	333Q0001191	28—8
111Q0068849	26—30	333Q0000116	25—32	333Q0001192	27—17
111Q0068849	26—32	333Q0000116	26—35	333Q0001192	28—9
111Q0280687	25—26	333Q0000116	27—28	333Q0001194	28—11
111Q0280687	26—29	333Q0000116	28—30	333Q0001195	28—12
111Q0280818	5—18	333Q0000117	25—19	333Q0001196	28—13
111Q0280818	6—21	333Q0000117	26—22	333Q0001199	28—5
111Q0280832	25—7	333Q0000194	25—15	333Q0001233	6—25
111Q0280832	26—7	333Q0000194	26—18	333Q0001234	27—18
111Q0280833	25—8	333Q0000194	27—32	333Q0001234	28—18
111Q0280833	26—8	333Q0000195	25—16	333Q0001258	27—19
111Q0280956	5—14	333Q0000195	26—19	333Q0001258	28—17
111Q0280958	25—20	333Q0000196	27—32	333Q0001300	27—3
111Q0280958	26—23	333Q0000196	28—35	333Q0001326	27—26
111Q0280958	27—14	333Q0000206	25—13	333Q0001326	28—32
111Q0280958	28—35	333Q0000206	26—16	333Q0001404	27—20
111Q0280986	5—21	333Q0000206	28—35	333Q0001404	28—39
111Q0280986	6—26	333Q0000207	25—14	333Q0001418	27—21
111Q0281048	25—4	333Q0000207	26—17	333Q0001418	28—37
111Q0281053	25—24	333Q0000211	25—11	333Q0001423	27—22
111Q0281053	25—28	333Q0000211	26—14	333Q0001423	28—40
111Q0281053	26—27	333Q0000212	25—12	333Q0001425	28—38
111Q0281053	26—31	333Q0000212	26—15	333Q0001451	5—20
111Q0281059	25—17	333Q0000261	25—9	333Q0001451	6—25
111Q0281059	26—20	333Q0000261	26—9	333Q0001581	27—4
111Q0281061	25—33	333Q0000261	28—8	333Q0001582	27—5
111Q0281061	26—36	333Q0000548	26—13	333Q0001582	28—2
111Q0281061	27—27	333Q0000549	25—10	333Q0001649	27—11
111Q0281061	28—29	333Q0000566	25—23	333Q0001672	28—41
111Q0290139	5—20	333Q0000566	26—26	333Q0001764	27—12
111Q0450790	25—22	333Q0000573	25—18	333Q0001786	28—10
111Q0450790	26—25	333Q0000573	26—21	420092125GR	21—17
111Q0451137	5—13	333Q0000709	26—4	420092202GR	23—17
111Q0451152	25—13	333Q0000738	3—28	420098167GR	21—15
111Q0451159	26—11	333Q0000738	4—28	420098167GR	23—15
111Q0451160	26—12	333Q0000789	25—32	421611056GR	21—18
111Q0451178	26—10	333Q0000789	26—35	421642107GR	23—18
111Q0452442	25—14	333Q0000789	28—31	480012225GR	21—16
111Q0740740	3—28	333Q0000897	25—13	480012300GR	23—16
111Q0740741	3—14	333Q0000897	28—35	531A0105H03	6—1
111Q0740781	4—14	333Q0000898	25—15	531A0105H04	6—1
111Q0740784	3—23	333Q0000898	26—18	531A0139H01	12—10
111Q0740784	4—23	333Q0000898	27—32	531A0224H01	14—1
111Q0740839	3—21	333Q0000899	25—9	531B0065H01	6—13
111Q0740839	4—21	333Q0000899	26—9	531B0065H01	6—13
111Q0740878	3—3	333Q0000899	28—8	531B0065H03	5—10
111Q0740878	4—3	333Q0001095	28—36	531B0065H06	5—10
111Q0831800	28—36	333Q0001183	25—30	534A0032H02	4—32
111Q0831807	6—27	333Q0001183	26—33	534A0148H01	3—17
111Q0940051	5—6	333Q0001183	27—1	534A0148H01	4—17

ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.
534A0154H01	3—10	540D0217G02	6—14	580A0276H01	19—15
534A0171H01	3—10	540D0217G02	6—14	580C0357G09	6—18
534A0506H01	3—28	540D0217G03	6—12	580C0358G09	6—18
534A0506H01	4—28	540D0217G03	6—12	580C0361G09	6—18
534A0565H01	4—10	540D0217H06	5—7	581A0010H03	20—19
534A0566H01	4—27	540D0217H06	6—10	581A0010H03	22—19
534A0567H01	4—27	540D0217H06	6—10	581A0011H06	19—18
534B0110H01	3—25	547D0217G01	7—10	581A0011H07	20—18
534B0110H01	4—24	547D0218G01	7—10	581A0011H07	22—18
534B0185H01	3—15	547D0414G01	7—10	581A0022H01	19—7
534B0235H01	3—15	547D0415G01	7—10	581A0022H02	20—7
534B0293H01	3—22	547D0485G01	7—1	581A0022H02	22—7
534B0293H01	4—22	547D0486G01	7—1	581A0027H01	22—14
534B0516H01	4—15	547D0487G01	7—1	581B0001H02	19—17
534B0527H01	4—4	547D0493G01	7—1	581B0001H03	20—17
534B0872H01	4—30	547D0494G01	7—1	581B0001H03	22—17
534C0096H05	3—21	547D0500G01	7—1	581B0029H02	19—4
534C0096H05	3—26	547D0501G01	7—1	581B0030H02	20—4
534C0096H05	4—21	547D0504G01	7—1	581B0030H03	22—4
534C0096H05	4—26	547D0691G01	7—1	581B0031H01	19—13
534C0382H01	3—19	547D0714G01	7—1	581B0032H01	20—13
534C0408G01	3—4	547D0715G01	7—1	581B0032H01	22—13
534C0428G01	3—4	547D0723G01	9—1	581B0033H01	19—11
534C0432C01	3—24	547D0724G01	9—1	581B0033H02	20—11
534C0432C01	4—25	548A0068G01	5—9	581B0033H02	22—11
534C0625H01	3—20	548C0147G02	5—9	581B0052H04	22—15
534C0625H01	4—20	548C0150G02	5—8	581B0052H05	20—15
534C0660H01	3—28	548C0167H02	5—1	581B0061H01	19—5
534C0709H01	3—27	548C0168H02	5—1	581B0100H04	22—5
534C1011H01	3—28	548C0168H03	5—4	581B0100H05	20—5
534C1064H01	4—18	548C0509H02	5—1	581C0001H08	19—20
534C1552H01	4—33	548C0509H03	5—1	581C0001H09	20—20
534M0602G02	4—29	550657045GR	21—14	581C0001H09	22—20
535A0015H01	5—22	550657046GR	23—14	581C0046G03	19—6
535A0015H01	6—15	550840194GR	23—11	581C0046G05	20—6
535A0181H01	6—16	550845210GR	21—13	581C0046G06	22—6
535A0181H02	6—16	550845213GR	23—13	581C0084C03	19—3
535A0181H09	5—23	550845339GR	21—11	581C0086C03	20—3
535A0181H10	5—23	550940233GR	21—12	581C0087C03	22—3
535A0197H01	26—38	550940238GR	23—12	581C0104C01	20—2
535A0249H01	1—2	580A0090H01	19—8	581C0105C01	22—2
535A0250H01	25—34	580A0090H02	20—8	581C0110G01	19—1
535A0250H02	25—34	580A0090H02	22—8	581C0110G01	20—1
535A0250H03	26—38	580A0092H01	19—9	581C0110G02	22—1
535A0251H01	1—1	580A0096H01	20—9	581C0320C01	19—2
535A0352H01	1—1	580A0096H01	22—9	640A0019H01	25—21
535A0354H01	1—2	580A0218H01	22—24	640A0032H01	27—6
535A0356H01	1—20	580A0219H01	22—23	640A0032H01	28—4
535A0356H01	8—7	580A0219H03	20—23	640A0033H01	5—18
535A0378H01	14—3	580A0223H01	20—24	640A0033H01	6—23
535C0513H01	15—1	580A0235H01	19—14	640A0035H01	1—13
536A1419H01	5—25	580A0235H01	20—14	640A0035H01	5—18
536A1419H01	6—18	580A0275H01	19—21	640A0035H01	6—21
536A1419H01	29—8	580A0275H02	20—21	640A0038H10	5—18
540D0217G02	5—8	580A0275H02	22—21	640A0038H10	6—22

RXF ROTARY SCREW COMPRESSOR UNIT
NUMERICAL PARTS LIST



ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.
640A0051H01	5—18	720M0151G05	12—3	902A0021H03	6—4
640A0051H01	6—23	724001061GR	21—5	902A0021H03	7—5
640A0058H01	28—42	724001062GR	23—5	902A0021H03	7—13
640B0019H03	25—31	724003174GR	21—1	902A0021H03	9—14
640B0019H03	26—34	724003177GR	23—1	913A0047H01	5—12
640B0020H01	26—24	724003210GR	21—7	913A0047H01	6—29
640B0031H01	27—7	724003212GR	23—7	913A0047H02	5—12
640B0031H01	28—19	724003235GR	21—3	913A0047H03	6—29
640B0038H01	28—22	724003237GR	23—3	913A0101H01	2—14
640B0039H01	28—42	724003260GR	21—4	913A0101H01	6—28
640B0041H01	28—23	724003262GR	23—4	913A0101H11	2—14
640B0042H01	28—23	724003285GR	21—2	913A0101H11	6—28
640B0048H01	27—24	724003287GR	23—2	913A0101H11	29—5
640B0049H01	27—25	724003310GR	21—9	913A0101H11	29—7
640B0050H01	27—25	724003312GR	23—9	913A0101H11	29—9
640C0022G01	27—23	724003335GR	21—10	913A0101H11	29—10
640C0022G01	28—3	724003337GR	23—10	913A0110H01	17—3
640C0022G11	28—3	724003460GR	21—6	913A0110H01	29—6
640C0024G01	27—26	724003462GR	23—6	913A0110H02	17—3
640C0024G01	28—27	724003485GR	21—8	913A0110H02	29—6
640C0024G02	28—28	724003487GR	23—8	913A0110H04	17—3
640C0026G01	27—29	724003612GR	21—19	913A0110H05	17—3
640C0026G01	28—33	724003614GR	23—19	913A0123H01	6—18
640C0026G02	28—34	724003662GR	21—20	913A0123H11	6—18
640D0010H01	25—2	724003664GR	23—20	914A0015H01	10—1
640D0010H01	26—2	901A0041D02	19—19	914A0015H02	9—15
640D0050H01	25—1	901A0045D05	19—16	914A0015H02	10—1
640D0051H01	26—1	901A0046D04	20—16	914A0015H02	11—5
640D0060H01	27—10	901A0046D08	9—13	914A0015H02	13—8
640D0060H01	28—24	901A0046D09	9—13	914A0015H03	11—5
649A0162H01	25—3	901A0047A05	22—16	914A0015H04	10—1
649A0162H01	26—3	901A0085H04	3—26	914A0015H04	11—5
649A0260H01	26—37	901A0085H04	3—28	914A0057H02	10—1
649A0263H01	25—5	901A0085H04	4—26	944A0010H01	5—24
649A0263H01	26—5	901A0085H04	4—28	944A0010H01	6—17
649A0883H10	27—30	901A0085H19	3—11	944A0011H01	19—23
649A0883H10	28—14	901A0085H19	4—11	944A0108H05	9—7
649A0883H16	27—31	901A0098H07	5—2	944A0108H05	13—5
649A0883H16	28—15	901A0098H08	5—2	944A0117H01	12—12
649A0893H01	29—4	901A0098H10	7—12	944A0117H01	12—12
649C1078H01	27—4	901A0098H11	6—3	944A0126H06	9—11
649C1083G01	27—13	901A0098H11	6—3	944A0126H08	9—11
649C1083G01	28—25	901A0098H13	5—2	944A0246H15	1—19
649C1091G01	27—13	901A0098H15	5—2	944A0246H15	8—6
649C1091G01	28—26	901A0098H16	7—4	944A0246H19	16—5
649D4598G02	27—13	901A0098H19	7—4	944A0302H05	8—4
649D4690H01	28—43	901A0098H21	7—4	944A0358H04	3—12
649D4820H01	29—3	901A0098H22	7—4	944A0358H05	3—12
649D4821H01	29—1	901A0172H03	9—9	944A0358H06	4—13
649D4823H01	29—2	901A0172H03	13—7	944A0360G10	7—8
649D4859H01	28—44	902A0021H01	5—5	944A0360G10	16—4
720M0151G01	12—3	902A0021H01	6—11	944A0360G11	7—8
720M0151G02	12—3	902A0021H01	6—11	944A0360G11	16—4
720M0151G03	12—3	902A0021H03	5—3	945A0031H01	2—17
720M0151G04	12—3	902A0021H03	6—4	947A0003H04	5—17

ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.
947A0003H04	6—5	950A0069H34	10—3	950A0237H02	12—2
947A0010H01	12—4	950A0069H34	12—5	950A0237H03	1—17
947A0010H02	12—4	950A0069H35	10—3	950A0237H03	10—4
947A0010H02	12—4	950A0069H35	12—5	950A0240H07	1—16
950A0001H05	16—2	950A0069H36	10—3	950A0240H08	1—16
950A0001H06	16—2	950A0069H36	11—2	950A0240H09	2—13
950A0001H08	16—2	950A0069H37	9—5	950A0240H10	2—13
950A0012H01	12—5	950A0069H37	11—2	950A0241H07	1—16
950A0019H01	1—12	950A0069H37	13—3	950A0241H08	1—16
950A0019H01	2—12	950A0075H08	9—10	950A0241H09	2—13
950A0019H01	12—5	950A0075H26	9—10	950A0241H10	2—13
950A0019H04	1—11	950A0075H28	9—10	950A0245H01	12—1
950A0019H04	2—12	950A0075H46	9—10	950A0245H02	12—1
950A0019H04	12—5	950A0075H48	9—10	950A0245H03	1—18
950A0028G31	7—9	950A0076H05	9—10	950A0245H03	12—1
950A0028G31	8—3	950A0190H01	12—4	950A0249H01	12—1
950A0028H01	7—9	950A0190H01	12—4	950A0249H02	12—1
950A0028H01	8—3	950A0190H01	12—4	951A0020H01	12—13
950A0028H21	7—9	950A0190H02	12—4	951A0020H11	12—13
950A0028H21	8—3	950A0190H02	12—4	951A0020H16	12—13
950A0029G31	7—9	950A0190H02	12—4	951A0053H01	12—12
950A0029G31	8—3	950A0190H11	12—4	951A0054H01	3—8
950A0029H21	7—9	950A0190H13	12—4	951A0054H01	4—8
950A0029H21	8—3	950A0190H15	12—4	951A0054H01	12—12
950A0046H01	7—9	950A0195H01	9—3	951A0054H03	3—8
950A0046H01	8—3	950A0195H11	9—3	951A0054H03	4—8
950A0054H01	12—5	950A0215G01	12—4	951A0054H03	12—12
950A0054H04	12—5	950A0215G01	12—4	951A0056H34	3—1
950A0065H05	10—5	950A0215G01	12—4	951A0056H34	4—1
950A0065H05	11—6	950A0215G02	12—4	951A0056H39	3—1
950A0066G01	7—9	950A0215G02	12—4	951A0056H40	3—2
950A0066G01	8—3	950A0215G02	12—4	951A0056H41	3—1
950A0067G01	7—9	950A0233H01	5—15	951A0056H42	3—2
950A0067G01	8—3	950A0233H01	6—7	951A0056H43	3—1
950A0068H25	9—5	950A0233H01	7—7	951A0056H44	3—2
950A0069H03	12—5	950A0233H01	12—2	951A0092H01	4—1
950A0069H04	10—3	950A0233H02	1—11	951A0092H02	4—1
950A0069H04	12—5	950A0233H02	5—15	951A0092H03	4—1
950A0069H05	10—3	950A0233H02	8—5	951A0092H04	4—2
950A0069H05	12—5	950A0233H02	12—2	951A0092H05	4—2
950A0069H06	10—3	950A0233H03	1—18	951A0092H06	4—2
950A0069H06	11—2	950A0233H03	2—11	951A0095H01	12—12
950A0069H07	9—5	950A0233H03	6—8	951A0095H02	12—12
950A0069H07	11—2	950A0233H03	10—4	952A0019H10	5—16
950A0069H07	13—3	950A0233H04	2—15	952A0019H10	6—19
950A0069H21	12—5	950A0233H04	11—1	952A0019H10	7—6
950A0069H22	10—3	950A0233H04	16—3	952A0020H10	5—16
950A0069H22	12—5	950A0233H05	2—15	952A0020H10	6—19
950A0069H23	10—3	950A0233H05	9—2	952A0021H09	6—19
950A0069H23	12—5	950A0233H05	11—1	952A0025H01	7—6
950A0069H24	10—3	950A0233H05	13—1	954A0008H01	12—6
950A0069H24	11—2	950A0233H05	15—2	954A0008H02	12—6
950A0069H25	11—2	950A0233H05	16—3	954A0010H20	12—11
950A0069H25	13—3	950A0237H01	12—2	954A0010H30	12—11
950A0069H33	12—5	950A0237H02	10—4	954A0012H20	12—11

RXF ROTARY SCREW COMPRESSOR UNIT
NUMERICAL PARTS LIST



ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.
954A0012H30	12—11	957A0003H01	15—3	959A0089H03	12—11
954A0050H01	12—11	957A0003H01	17—4	959A0089H03	12—11
954A0050H02	12—11	957A0003H01	19—24	959A0089H04	12—11
954A0050H03	12—11	957A0003H01	20—25	959A0090H02	5—4
954A0050H04	12—11	957A0003H01	22—25	959A0090H03	5—4
954A0050H05	12—11	957A0003H02	12—8	960A0043H03	10—1
954A0050H06	12—11	957A0003H03	8—2	960A0043H11	10—1
954A0050H07	12—11	959A0040H15	7—2	960A0043H20	10—1
954A0050H08	12—11	959A0040H16	7—2	960A0043H51	10—1
954A0050H09	12—11	959A0040H17	7—2	960A0043H53	10—1
954A0051H01	12—11	959A0040H50	7—3	960A0045H51	10—1
954A0051H02	12—11	959A0054H06	9—12	960A0045H51	10—1
954A0051H03	12—11	959A0054H07	3—7	960A0045H51	11—4
954A0051H04	12—11	959A0054H08	3—5	960A0059H51	10—1
954A0051H05	12—11	959A0054H08	3—7	960A0066H11	9—15
954A0051H06	12—11	959A0054H08	9—12	960A0066H11	10—1
954A0051H07	12—11	959A0054H10	3—5	960A0066H11	10—1
955A0008H01	1—3	959A0054H10	3—7	960A0066H11	11—5
955A0008H01	2—10	959A0054H11	4—7	960A0066H11	13—8
955A0012H01	6—20	959A0054H23	10—2	960A0068H11	10—1
955A0012H02	6—20	959A0054H25	9—8	960A0075G01	10—1
955A0023H01	6—20	959A0054H25	10—2	960A0075H01	10—1
956A0012G03	9—6	959A0054H25	11—3	960A0076G01	10—1
956A0012G03	11—8	959A0054H25	13—6	960A0076G01	11—3
956A0012G03	13—4	959A0055H11	19—12	960A0076G03	11—3
956A0012G06	11—8	959A0055H12	20—12	960A0076G05	10—1
956A0012G07	10—7	959A0055H12	22—12	960A0076G05	11—3
956A0012G08	10—7	959A0056H11	19—22	960A0076H01	10—1
956A0014H01	9—16	959A0056H12	20—22	960A0076H01	10—1
956A0014H01	13—9	959A0056H12	22—22	960A0076H01	11—4
956A0015H01	3—6	959A0057H04	7—8	960A0076H02	11—4
956A0015H02	3—6	959A0057H04	16—1	960A0076H41	9—15
956A0015H03	4—6	959A0057H04	16—1	960A0076H41	13—8
956A0015H08	3—6	959A0057H04	16—2	960A0082G01	9—15
956A0024H03	10—6	959A0057H04	16—4	960A0082G01	13—8
956A0024H03	11—7	959A0057H05	7—8	960A0082G02	9—15
956A0025H22	16—1	959A0057H05	16—1	960A0082G02	13—8
956A0025H23	16—1	959A0057H05	16—2	960A0082G03	9—15
956A0025H28	16—1	959A0057H05	16—4	960A0082G03	13—8
956A0031H02	2—17	959A0057H06	3—13	960A0082H01	9—15
956A0031H03	2—17	959A0057H07	16—2	960A0082H01	13—8
956A0031H04	2—17	959A0057H09	4—12	980A0012B66	11—4
956A0031H07	2—17	959A0057H18	3—13	980A0012B91	4—5
956A0031H08	2—17	959A0068H01	7—11	980A0012K60	12—15
956A0031H09	1—15	959A0068H02	7—11	980A0012K62	3—18
956A0031H09	2—17	959A0069H07	5—4	980A0012K62	4—19
956A0031H10	1—15	959A0069H08	6—2	980A0012K62	4—31
956A0031H10	2—17	959A0069H09	6—2	980A0012K66	12—14
956A0031H11	2—17	959A0082H02	14—2	980A0012K72	16—6
956A0031H12	2—17	959A0085H03	8—4	980A0012K74	12—14
957A0003H01	1—14	959A0089H02	12—4	980A0012K74	12—15
957A0003H01	2—16	959A0089H02	12—4	980A0014A10	3—16
957A0003H01	9—4	959A0089H02	12—11	980A0014A10	4—16
957A0003H01	12—7	959A0089H02	12—11	980A0014H43	19—10
957A0003H01	13—2	959A0089H03	12—4	980A0014H51	20—10

ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.
980A0014H59	22—10				
990A0011H02	12—9				
990A0014H01	5—19				
990A0014H01	6—24				
990A0062H01	5—19				
990A0062H01	6—24				
990A0082H01	8—1				
990A0082H02	8—1				
990A0082H03	8—1				
990A0082H04	8—1				
990A0082H05	8—1				
990A0082H06	8—1				
990A0082H07	8—1				
990A0082H08	8—1				
990A0082H09	8—1				

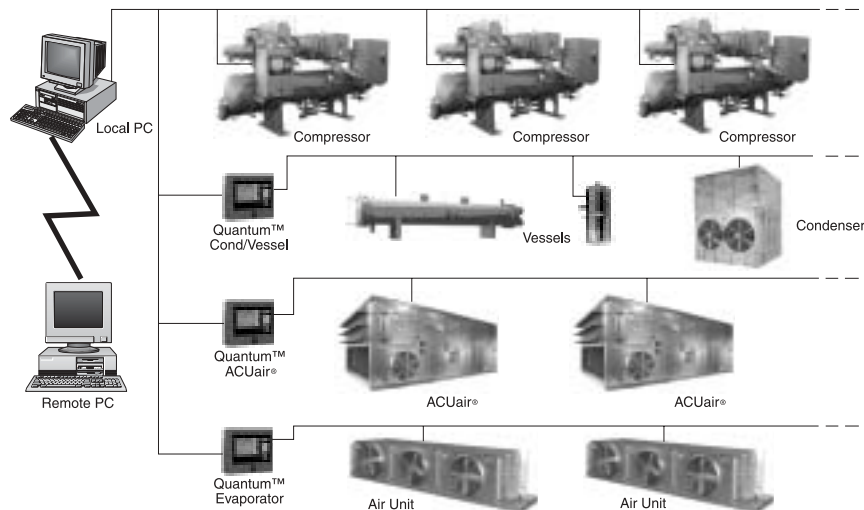
Q-NET™ network technology... make the connection with QUANTUM™!

- System integration is what we do...
 - **Q-NET™** supports open-protocols for your SCADA system (i.e. Allen Bradley DF1 and Modbus ASCII)
 - **Q-NET™** connects for local or remote access
 - **Q-NET™** can be applied to both new and existing systems
- **Q-NET™** means precise control 24 hours a day, seven days a week
- **Q-NET™** distributed architecture means faster, easier, economical installations
- **Q-NET™** delivers increased operating efficiency and lowers energy costs

Now available on Frick's ACUair™ hygienic air-handlers, PowerFlow™ condensers, screw compressors, evaporators, and refrigerant vessels, too.

For more information on how Q-NET™ Network Technology can enhance the performance of your job site, contact Frick Controls at 717-762-2121 or visit our website (www.frickcold.com) for a complete listing of Frick sales offices and Frick Factor Distributors.

Take full advantage of Q-NET™ technology with Frick products!



YORK Refrigeration
100 CV Avenue • P.O. Box 997 • Waynesboro, Pennsylvania USA 17268-0997
Phone: 717-762-2121 • FAX: 717-762-8624 • www.frickcold.com



Subject To Change Without Notice