



BY JOHNSON CONTROLS

Form 070-301 SPL (OCT 2001)

SERVICE PARTS LIST

File: SERVICE MANUAL - Section 70
Replaces: S70-301 SPL/DEC 97)
Dist: 3, 3a, 3b, 3c
Revised: March 2, 2010, p. 3, 14, & 15

Service Parts List

RDB

**BOOSTER ROTARY SCREW
COMPRESSOR UNITS**

WITH

QUANTUM™ CONTROL

MODELS: RDB 100 through 546

HOW TO USE SERVICE PARTS LIST

This Service Parts List is for standard Frick RDB Booster Rotary Screw Compressor Units, Models 100—546. 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 parts were taken from. The P & I REF. column gives the reference 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 located to the left of the microprocessor, attached to the frame below the compressor motor.

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

Figure 1. General Arrangement, Typical (177-222 Shown).	4
Figure 2. Screw Compressor, With Plug Valve Details, Typical.	6
Figure 3. Oil Separator, Typical.	10
Figure 4. Oil Filter, Early (Single Element Shown).	12
Figure 5. Dual Oil Filter, Early.	13
Figure 6. Oil Filter, Standard, Current (Two-Element Shown).	14
Figure 7. Dual Oil Filter, Standard, Current.	16
Figure 8. Piping and Instrumentation, Typical.	18
Figure 9. Transducer Manifold Assembly.	21
Figure 10. Oil Cooler Piping, Shell and Tube, 100-546 Typical.	22
Figure 11. Oil Cooler Piping, Plate, 177-399, Current.	26
Figure 12. Drive Coupling.	29
Figure 13. Full-Lube Oil Pump Piping, Typical.	30
Figure 14. Liquid Injection Piping, Typical.	32
Figure 15. Liquid Injection with Oil Pump, Current.	34
Figure 16. 5 — 8 " Multivalve, Frick.	36
Figure 17. 10 " Multivalve, Frick.	40
Figure 18. 4 — 8 " Multivalve, Gram & Danfoss (Current).	42
Figure 19. 4 " Discharge Stop/Check Valve (Frick).	44
Figure 20. 5 — 8 " Discharge Stop/Check Valve (Frick).	46
Figure 21. 4 — 6 " Discharge Stop Valve (Gram).	50
Figure 22. 8 & 10 " Discharge Stop Valve (Gram/Frick).	54
Figure 23. Discharge Stop/Check Valve, Current (Danfoss).	56
Figure 24. Discharge Stop/Check Valve (Gram).	58
FRICK FLANGE GASKETS.	59
Figure 25. Microprocessor Control Center.	60
Figure 26. Quantum™ Control Panel, Typical.	62
DISPLAY ASSEMBLY COMPONENT REPLACEMENT GUIDE.	64
MISCELLANEOUS TUBING AND CONNECTORS.	64
VALVE CROSS REFERENCE.	65
FRICK COMPRESSOR OILS.	65
FRICK BLUE PAINT.	65
NUMERICAL PARTS LIST.	66

RECOMMENDED SPARE PARTS - CURRENT 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 & 640C0021G01 above)	1	ALL	333Q0001582
Power Supply	1	ALL	640C0022G01
Battery, 3V	1	ALL	333Q0001786
Switch, Power	1	ALL	333Q0001194
Block, Contact, Power Switch	1	ALL	333Q0001195
Circuit Breaker, 10 Amp	1	ALL	649A0883H10
Circuit Breaker, 16 Amp	1	ALL	649A0883H16
Cable, Key Pad	1	ALL	640B0031H01
Cable, CCFT Backlight Inverter (for Phillips & Sharp Display)	1	ALL	640B0032H01
Cable, LCD Display (for Phillips Display)	1	ALL	640B0065H01
Cable, LCD Display (for Sharp Display)	1	ALL	640B0045H01
Cable Harness, Power	1	ALL	640B0038H01
Cable Harness, Digital Board 1	1	ALL	640B0041H01
Keypad, Overlay	1	ALL	640D0060H01
Circuit Board, Main (Arcom, Quantum IV)	1	ALL	649C1084G01
Board, Analog 1	1	ALL	640C0026G01
Board, Digital 1	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
UNIT:			
Temperature Sensor (TE-1—4)	1	ALL	913A0101H01
Transducer, Pressure, 0—200 PSIA	1	ALL	913A0110H01
Transducer, Pressure, 0—500 PSIA	1	ALL	913A0110H02
Heater, Oil, 500W, 120V	1	ALL	913A0047H01
Heater, Oil, 500W, 240V	1	ALL	913A0047H03
Filter, Coalescing, Convoluted	A/R	ALL	531B0099H01
Gasket, Manway For Coalescer	1	100 & 134	531A0105H03
Gasket, Manway For Coalescer	1	177—546	531A0105H04
Element, Filter, Oil, SuperFilter™ II	1	100 & 134	531B0100H01
Element, Filter, Oil, SuperFilter™ II (before June 1999)	1	177 & 399	531B0100H01
Element, Filter, Oil, SuperFilter™ II (after June 1999)	1	177 & 316	531B0100H02
Element, Filter, Oil, SuperFilter™ II (after June 1999)	1	399	531B0100H03
Element, Filter, Oil, SuperFilter™ II (before June 1999)	1	546	531B0100H02
Element, Filter, Oil, SuperFilter™ II (after June 1999)	1	546	531B0100H03
Gasket, End Cover, For SuperFilter™	1	ALL	959A0082H01
Shaft Seal Kit, TDSL193	1	100 & 134	534M0163G06
Shaft Seal Kit, TDSL233	1	177—222	534M0163G07
Shaft Seal Kit, TDSL283	1	316—546	534M0163G04

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 S160-800 SPL - Shutoff Valve Identification Guide.

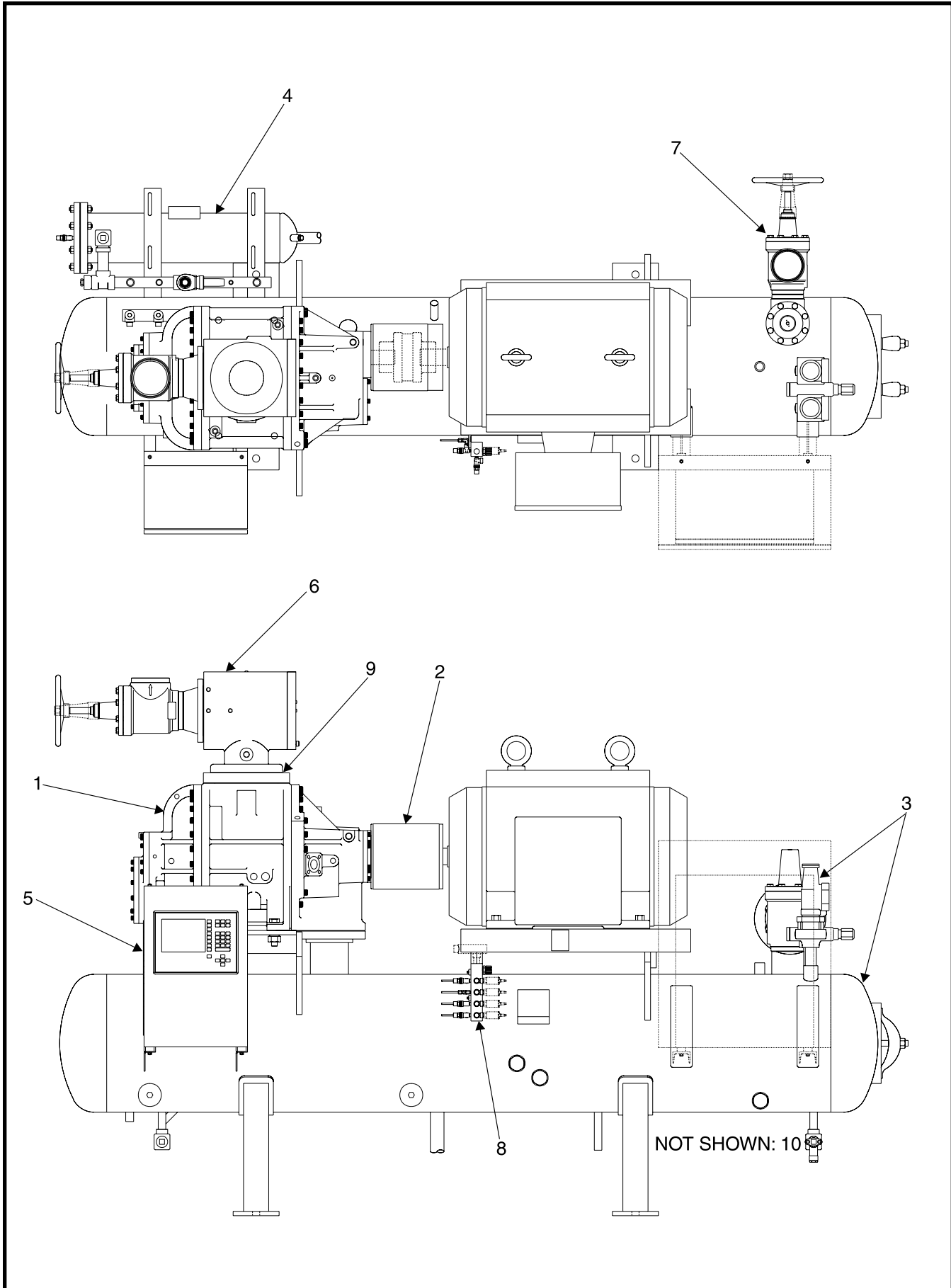
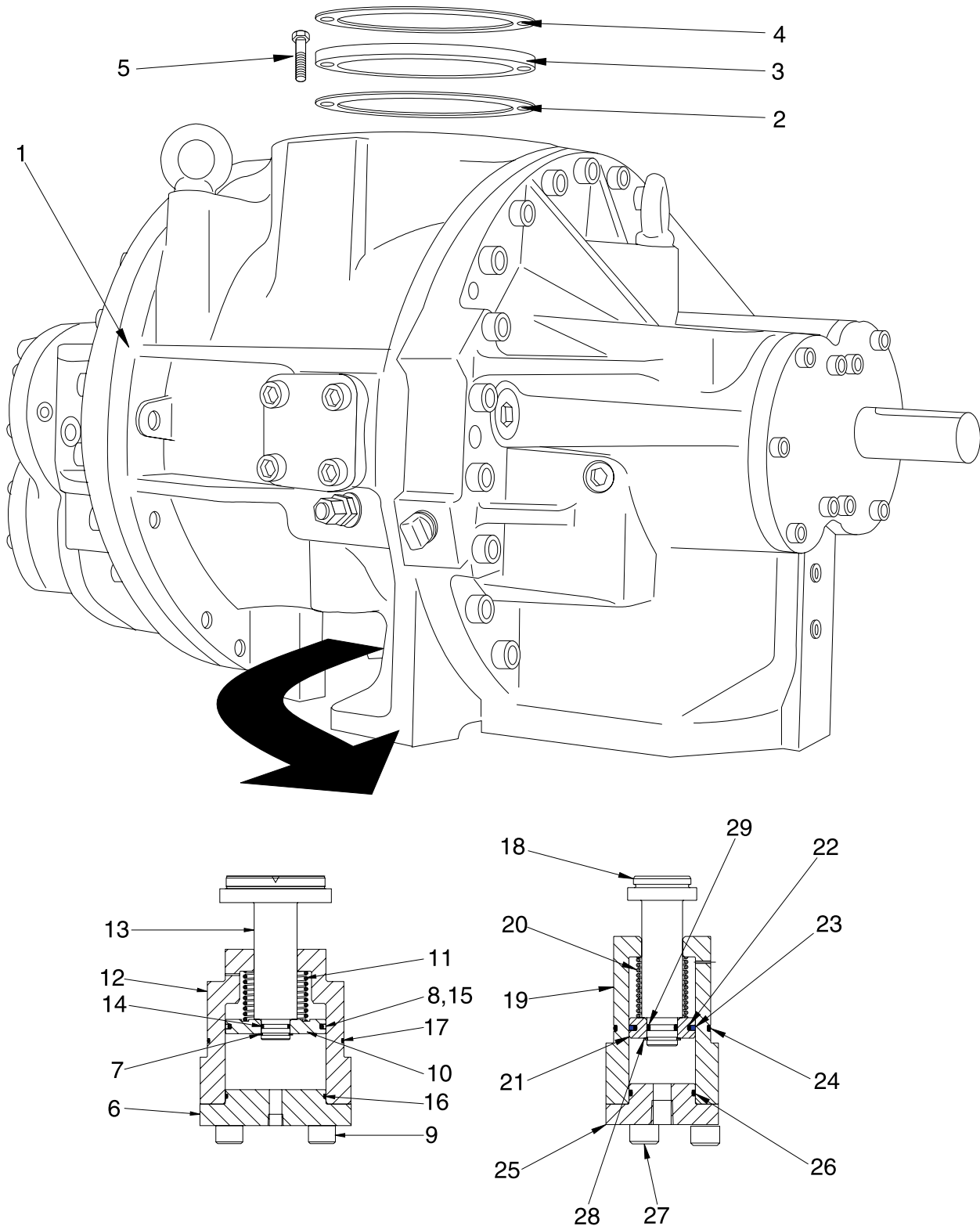


Figure 1. General Arrangement, Typical (177-222 Shown).

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
1—	720E0097 720E0089 720E0078 720E0087 720E0095	RDB 100 & 134 Plus Booster Screw Compressor Unit RDB 177 & 222 Plus Booster Screw Compressor Unit RDB 316 Plus Booster Screw Compressor Unit RDB 399 Plus Booster Screw Compressor Unit RDB 546 Plus Booster Screw Compressor Unit	Ref. Ref. Ref. Ref. Ref.		
—1	—	Screw Compressor (See Figure 2)	1		C-1
—2	—	Coupling, Drive (See Figure 12)	1		CPL
—3	—	Oil Separator and Dual Safety Valve (See Figure 3)	1		
—4	—	Oil Filter Assembly (See Figures 4—7)	A/R		F-1,2
—5	—	Quantum™ Control Center (See Figure 26)	1		
—6	—	Multivalve Assembly (See Figures 16—18)	1		
—7	—	Discharge Stop/Check Valve (See Figures 19 & 24)	1		
—8	—	Transducer Manifold Assembly (See Figure 9)	1		
—9	—	Gasket, Multivalve to Compressor (See Figure 2)	1		
—10	—	Piping (See Figures 10—15)	Ref.		

S/N BREAKS*	
RDB MODEL	S/N
100	D0187...
134	D0232...
177	D0142...
222	D0183...
316	D0170...
399	D0192...
546	D0136...

* These unit serial numbers show the beginning of those manufactured as of 4/16/01. The changes include the Danfoss GVD Discharge Valve (Fig 23), Demand Pump (Fig 15), Plate Oil Cooler (Fig 11), 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 some parts breakdowns for units made prior to the above listing.



Note: See page 3 for Shaft Seal Kits.

Figure 2. Screw Compressor, With Plug Valve Details, Typical.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
2—	—	Screw Compressor	Ref.		C-1
—1	534E0588G01	TDSL 193S Screw Compressor, New, RDB100	1		
	534E0588S01	TDSL 193S Screw Compressor, Remanufactured, RDB100	1		
	534E0588G02	TDSL 193L Screw Compressor, New, RDB134	1		
	534E0588S02	TDSL 193L Screw Compressor, Remanufactured, RDB134	1		
	534E0589G01	TDSL 233S Screw Compressor, New, RDB177	1		
	534E0589S01	TDSL 233S Screw Compressor, Remanufactured, RDB177	1		
	534E0589G02	TDSL 233L Screw Compressor, New, RDB222	1		
	534E0589S02	TDSL 233L Screw Compressor, Remanufactured, RDB222	1		
	534D1021G01	TDSL 283S Screw Compressor, New, RDB316	1		
	534D1021S01	TDSL 283S Screw Compressor, Remanufactured, RDB316	1		
	534D1021G02	TDSL 283L Screw Compressor, New, RDB399	1		
	534D1021S02	TDSL 283L Screw Compressor, Remanufactured, RDB399	1		
	534D1021G03	TDSL 283XL Screw Compressor, New, RDB546	1		
	534D1021S03	TDSL 283XL Screw Compressor, Remanufactured, RDB546	1		
—2	959A0062H02	Gasket, Multivalve to Compressor, 100 (no plate)	1		
	959A0062H03	Gasket, Multivalve to Compressor, 134 & 177 (no plate)	1		
	959A0062H04	Gasket, Compressor to Adapter Plate, 222 (also w/o plate)	1		
	959A0062H05	Gasket, Compressor to Adapter Plate, 316—546	1		
—3	535C0133H01	Plate, Adapter, 8 x 6", 222	1		
	535C0239H01	Plate, Adapter, 10 x 8", 316 & 399	1		
—4	959A0062H03	Gasket, Multivalve to Plate, 222	1		
	959A0062H04	Gasket, Multivalve to Plate, 316 & 399	1		
—5	111Q0740748	Capscrew, Hex Head, M20 x 65, 100—177	8		
	111Q0740877	Capscrew, Hex Head, M20 x 80, 222 (without adapter plate)	8		
	111Q0740746	Capscrew, Socket Head, M20 x 55, 222 (compr. to plate)	8		
	111Q0740748	Capscrew, Hex Head, M20 x 65, 222 (multiv. to plate)	8		
	111Q0740797	Capscrew, Socket Head, M22 x 50, 316 & 399 (compr. to plate)	12		
	111Q0740772	Capscrew, Socket Head, M20 x 75, 316 & 399 (multiv. to plate)	8		
	111Q0740782	Capscrew, Hex Head, M22 x 75, 546	12		
—6	111Q0740739	Capscrew, Socket Head, (M12 x 1.75) x 45mm, 100 & 134	6		
	111Q0740776	Capscrew, Socket Head, (M16 x 2.0) x 100mm, 177 & 222	6		
	111Q0740747	Capscrew, Socket Head, (M16 x 2.0) x 85mm, 316—546	6		
—7	534B0014H15	Ring, Retaining, 100—222	2		
	534B0014H16	Ring, Retaining, 316—546	2		
—8	534C0187H05	Ring, Glyd, 100 & 134	2		
	534C0187H06	Ring, Glyd, 177 & 222	2		
	534C0187H07	Ring, Glyd, 316—546	2		
—9	534C0237H01	Cover, Plug Valve, 100 & 134	2		
	534C0256H01	Cover, Plug Valve, 177 & 222	2		
	534C0260H01	Cover, Plug Valve, 316—546	2		
—10	534C0238H01	Piston, Plug Valve, 100 & 134 ⁽¹⁾	2		
	534C0255H01	Piston, Plug Valve, 177 & 222 ⁽¹⁾	2		
	534C0261H01	Piston, Plug Valve, 316—546 ⁽¹⁾	2		
—11	534C0246H01	Spring, Plug Valve, 100 & 134	2		
	534C0246H02	Spring, Plug Valve, 177 & 222	2		
	534C0246H03	Spring, Plug Valve, 316—546	2		
—12	534D0185C01	Body, Plug Valve, 100 & 134	2		
	534D0197C01	Body, Plug Valve, 177 & 222	2		
	534D0202C01	Body, Plug Valve, 316—546	2		

(1) Piston should be replaced by factory trained technician. There is the possibility of rotor damage with incorrect installation.

RDB BOOSTER ROTARY SCREW COMPRESSOR UNIT
SERVICE PARTS LIST



FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
2—	—	Screw Compressor, Continued	Ref.		C-1
—13	534D0188H01	Valve, Plug, 100 & 134	2		
	534D0198H01	Valve, Plug, 177 & 222	2		
	534C0276H01	Valve, Plug, 316—546	2		
—14	980A0012A63	O-ring, 100—222	2		
	980A0014A66	O-ring, 316—546	2		
—15	980A0012A84	O-ring, 100 & 134	2		
	980A0012A92	O-ring, 177 & 222	2		
	980A0012B65	O-ring, 316—546	2		
—16	980A0012A87	O-ring, 100 & 134	2		
	980A0012A95	O-ring, 177 & 222	2		
	980A0012B03	O-ring, 316—546	2		
—17	980A0012A99	O-ring, 100 & 134	2		
	980A0012B04	O-ring, 177 & 222	2		
	980A0012B08	O-ring, 316—546	2		
—18	534C1165H01	Valve, Plug, 100 & 134	1		
	534D0188H01	Valve, Plug, 177—546	1		
—19	534C1166H01	Body, Plug Valve, 100 & 134	1		
	534D1019C01	Body, Plug Valve, 177 & 222	1		
	534D0197C01	Body, Plug Valve, 316—546	1		
—20	534A0621H01	Spring, Plug Valve, 100 & 134	1		
	534C0246H01	Spring, Plug Valve, 177 & 222	1		
	534C0246H02	Spring, Plug Valve, 316—546	1		
—21	534B0569H01	Piston, Plug Valve, 100 & 134 ⁽¹⁾	1		
	534C0238H01	Piston, Plug Valve, 177 & 222 ⁽¹⁾	1		
	534C0255H01	Piston, Plug Valve, 316—546 ⁽¹⁾	1		
—22	980A0012A74	O-Ring, 100 & 134	1		
	980A0012A84	O-Ring, 177 & 222	1		
	980A0012A92	O-Ring, 316—546	1		
—23	534C0187H19	Ring, Glyd, 100 & 134	1		
	534C0187H05	Ring, Glyd, 177 & 222	1		
	534C0187H06	Ring, Glyd, 316—546	1		
—24	980A0012A89	O-Ring, 100 & 134	1		
	980A0012A99	O-Ring, 177 & 222	1		
	980A0012B04	O-Ring, 316—546	1		
—25	534B0568H01	Cover, Plug Valve, 100 & 134	1		
	534C0237H01	Cover, Plug Valve, 177 & 222	1		
	534C0256H01	Cover, Plug Valve, 316—546	1		
—26	980A0012A77	O-Ring, 100 & 134	1		
	980A0012A87	O-Ring, 177 & 222	1		
	980A0012A95	O-Ring, 316—546	1		
—27	111Q0740838	Capscrew, Socket Head, (M12 x 1.75) x 65mm, 100 & 134	2		
	111Q0740738	Capscrew, Socket Head, (M12 x 1.75) x 90mm, 177—222	2		
	111Q0740743	Capscrew, Socket Head, (M16 x 2.0) x 55mm, 316—546	2		
	111Q0740747	Capscrew, Socket Head, (M16 x 2.0) x 85mm, 316—546	2		
—28	534B0014H15	Ring, Retaining, 100—546	2		
—29	980A0012A63	O-ring, 100—546	2		

(1) Piston should be replaced by factory trained technician. There is the possibility of rotor damage with incorrect installation.

This page left blank intentionally.

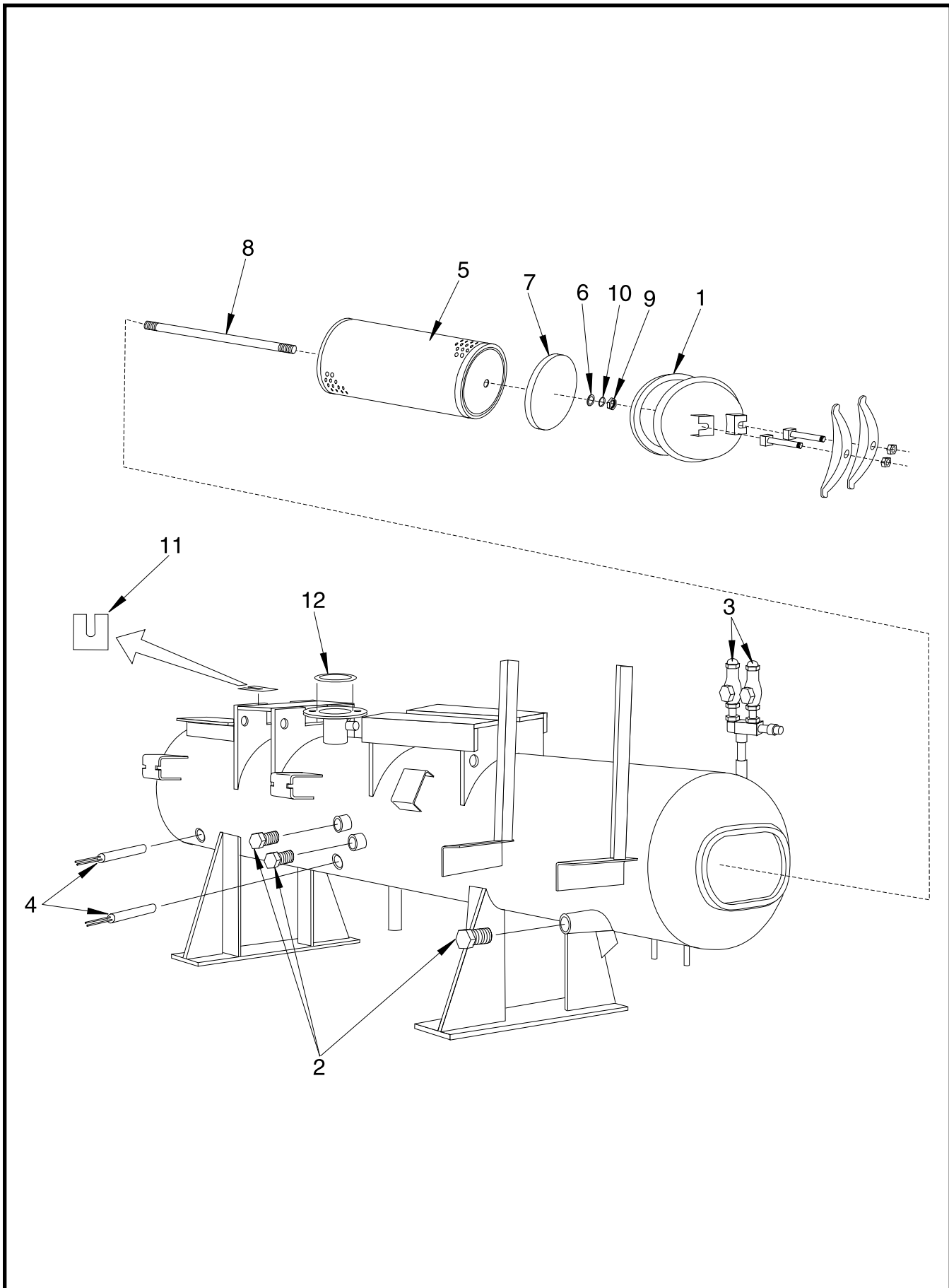


Figure 3. Oil Separator, Typical.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
3—	N/A	Oil Separator, RDB100 & 134	Ref.		
	548E0369G01	Oil Separator, 24 x 142-3/8", RDB177 & 222	Ref.	C	
	548E0364G01	Oil Separator, 30 x 169-3/8", RDB316	Ref.	D	
	548E0367G01	Oil Separator, 36 x 161-1/2", RDB399	Ref.	C	
	548E0374G01	Oil Separator, 42 x 192-13/16", RDB546	Ref.	—	
—1	531A0105H03	Gasket, Manway, 10-5/8 x 14", RDB100 & 134	1		
	531A0105H04	Gasket, Manway, 11-7/8 x 15-5/8", RDB 177—546	1		
—2	947A0003H05	Glass, Sight	3		
—3	580C0358G09	Assembly, Dual Safety Valve, 100 & 134	Ref.		PSV-1
	955A0012H01	Valve, Shutoff, 3-Way	1		
	952A0019H10	Valve, Safety, 1/2", Shank 803-TH, 3050 PSIG*	2		
	580C0357G09	Assembly, Dual Safety Valve, 177 & 222 (current)	Ref.		PSV-1
	955A0012H02	Valve, Shutoff, 3-Way	1		
	952A0020H10	Valve, Safety, 3/4", Shank 804-TH, 300 PSIG*	2		
	580C0361G09	Assembly, Dual Safety Valve, 316 (current)	Ref.		PSV-1
	955A0023H01	Manifold, 1"	1		
	952A0021H09	Valve, Safety, R/S H-3, 300 PSIG*	2		
	580C0362G09	Assembly, Dual Safety Valve, 399 (current)	Ref.		PSV-1
	955A0024H01	Manifold, 1-1/2"	1		
	952A0022H09	Valve, Safety, R/S H-5, 300 PSIG*	2		
	580C0362G09	Assembly, Dual Safety Valve, 546 (current)	Ref.		PSV-1
	955A0024H01	Manifold, 1-1/2"	1		
	952A0022H09	Valve, Safety, R/S H-5, 300 PSIG*	2		
—4	913A0047H01	Heater, Oil, 500 Watts, 120 Volts	2-3		H-1,2
	913A0047H02	Heater, Oil, 1000 Watts, 120 Volts (Option)	2-3		H-1,2
	913A0047H03	Heater, Oil, 500 Watts, 240 Volts (Option)	2-3		H-1,2
	913A0047H04	Heater, Oil, 1000 Volts, 240 Volts (Option)	2-3		H-1,2
	111Q0451137	Box, Round, Conduit (not shown)	2-3		
	535B0019	Filter Assembly, Coalescing, 100—546	Ref.	C	
—5	531B0099H01	Element, Coalescing, Convolute, 100 & 134	1		
	531B0099H01	Element, Coalescing, Convolute, 177 & 222	2		
	531B0099H01	Element, Coalescing, Convolute, 316	3		
	531B0099H01	Element, Coalescing, Convolute, 399	4		
	531B0099H01	Element, Coalescing, Convolute, 546	5		
—6	540D0217H06	Washer, Seal	1 per		
—7	540D0217G02	Assembly, End Plate	1 per		
—8	540D0217H07	Stud, 1/2-13NC x 37"	1 per		
—9	902A0002H05	Nut, Hex, 1/2-13NC	1 per		
—10	111Q0940051	Washer, 1/2"	1 per		
	720M0011G01	Kit, Compressor Mounting, 100 & 134	Ref.		
	720M0031G01	Kit, Compressor Mounting, 177 & 222	Ref.		
	720M0032G01	Kit, Compressor Mounting, 316—546	Ref.		
—11	531A0048G36	Shim Kit, Compressor, 100 & 134	2		
	531A0048G41	Shim Kit, Compressor, 100 & 134	1		
	531A0048G37	Shim Kit, Compressor, 177 & 222	4		
	531A0048G38	Shim Kit, Compressor, 316—546	4		
—12	959A0054H30	Gasket, Compressor to Separator, 100 & 134	1		
	959A0054H32	Gasket, Compressor to Separator, 177 & 222	1		
	959A0054H33	Gasket, Compressor to Separator, 316—546	1		

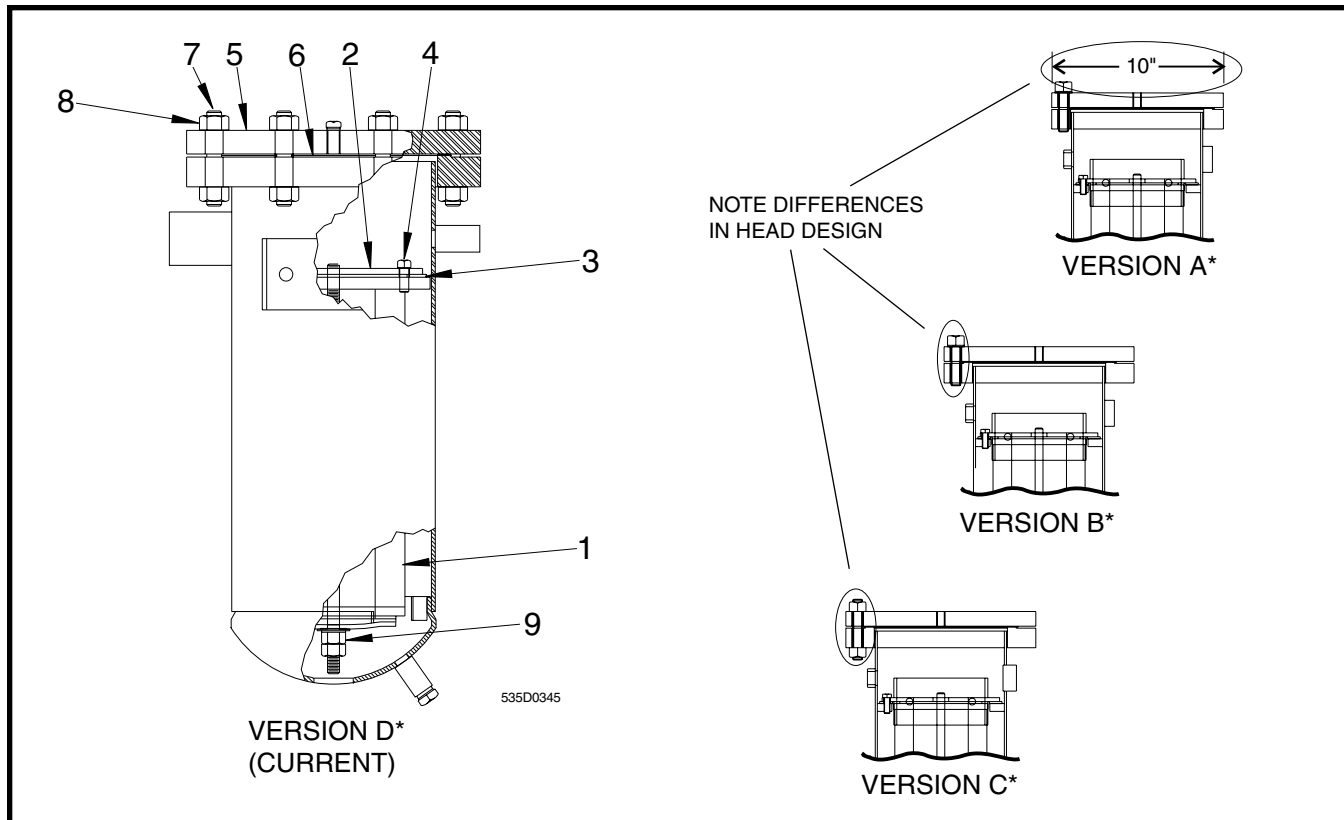


Figure 4. Oil Filter, Early (Single Element Shown).

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
4—	535D0345	Oil Filter Assembly, 1 Element, 100—399 (Version D)	Ref.	A	F-1,2
	535D0335	Oil Filter Assembly, 2 Element, 546 (Version D)	Ref.	A	F-1,2
—1	531A0028H01	Element, Oil Filter, 15 Micron, 100—399**	A/R		
	531A0218H01	Element, Oil Filter, SuperFilter™ ***	A/R		
—2	535A0144H01	Plate, Clamping	1		
—3	959A0053H01	Gasket, Clamping Plate (Version B, C & D)	1		
—4	901A0043H05	Capscrew, Hex Head, 3/8 NC x 1 "	6		
—5	535A0351H01	Cover, End	1		
—6	531A0205H01	Gasket, End Cover (Version A)	1		
	959A0063H01	Gasket, End Cover (Version B)	1		
	959A0082H01	Gasket, End Cover (Version C & D)	1		
—7	901A0098H11	Stud, 5/8 NC x 4 "	8		
—8	902A0021H03	Nut, High Tensile, 5/8 " NC	16		
—9	535M0049G01	Kit, Oil Filter Hardware, 1 Element**	1		
	535M0049G02	Kit, Oil Filter Hardware, 2 Elements**	1		
	535M0049G03	Kit, Oil Filter Hardware, 3 Elements**	1		
		Consisting of standard hardware plus:			
	900A0008H01	Yoke	1		
	333Q0001236	Gasket	1		
	900A0007H01	Center Seal, 2 Elements	1		
	900A0007H01	Center Seal, 3 Elements	2		

*VERSION A: 10" diameter head, threaded flange, flat bottom.
*VERSION B: threaded flange w/hex head capscrews, flat or rounded bottom.
*VERSION C: drilled flange w/studs and nuts, flat bottom.
*VERSION D: drilled flange w/studs and nuts, rounded bottom.
**NOTE: Item numbers 1 & 9 apply to all four versions.
***See Figure 6 for new one-piece SuperFilter™ II filters.

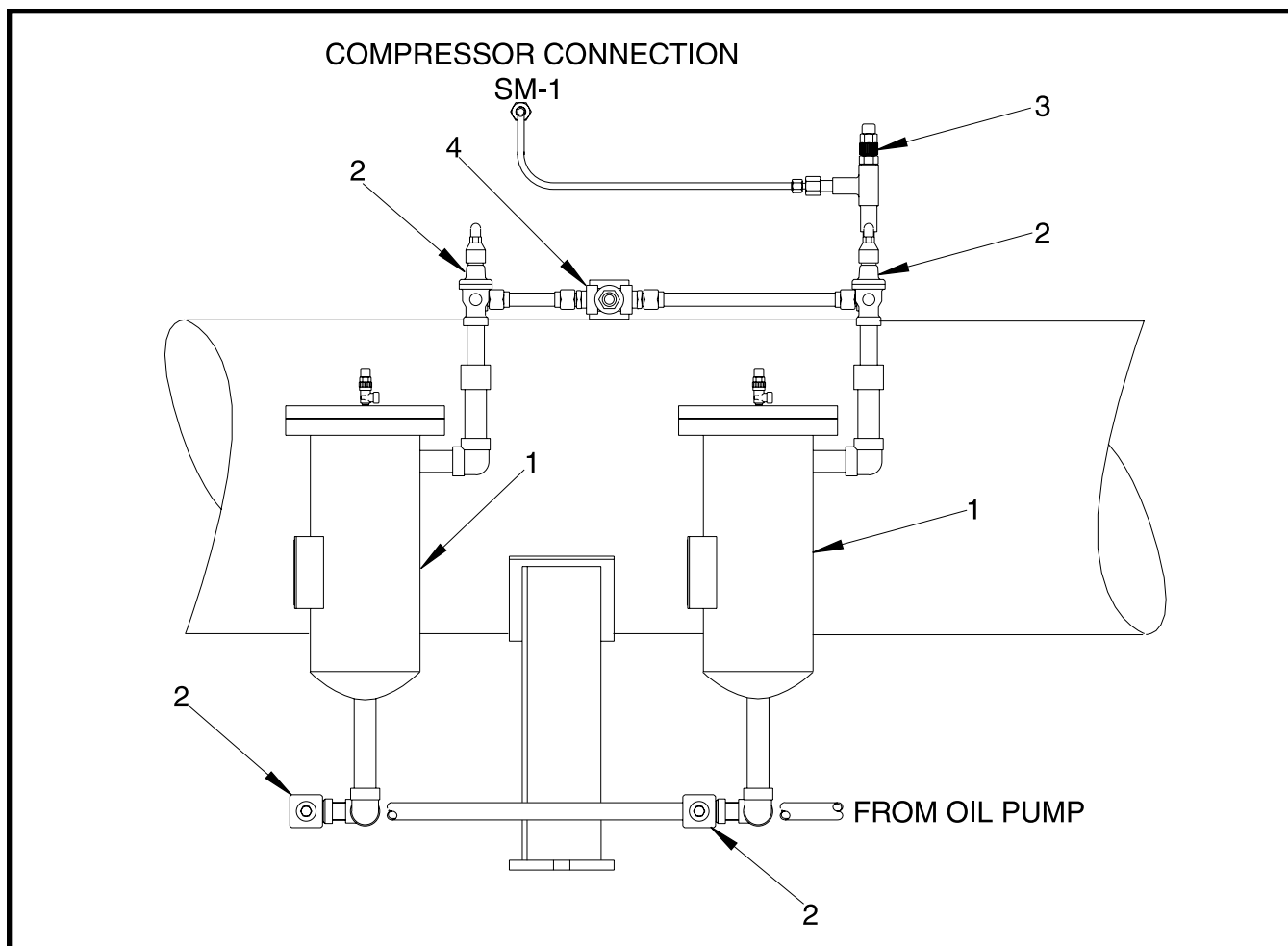


Figure 5. Dual Oil Filter, Early.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
5—	535B0046G01	Dual Oil Filter Assembly, 100 & 134	Ref.	D	
	535B0046G02	Dual Oil Filter Assembly, 316	Ref.	D	
	535B0046G03	Dual Oil Filter Assembly, 399	Ref.	D	
	535B0046G04	Dual Oil Filter Assembly, 177 & 222	Ref.	D	
	535C0183G01	Dual Oil Filter Assembly, 546	Ref.		
—1	535D0345G01	Oil Filter Assembly, 1 Element, (Non-ASME coded)*	Ref.	F	F-1,2
	535D0345G02	Oil Filter Assembly, 1 Element, (ASME coded)*	Ref.	F	F-1,2
	535D0335G01	Oil Filter Assembly, 2 Element, (Non-ASME coded)*	Ref.	D	F-1,2
	535D0335G02	Oil Filter Assembly, 2 Element, (ASME coded)*	Ref.	D	F-1,2
—2	950A0233H03	Valve, Angle, SW, Seal Cap, 1" (Danfoss)	4		
	950A0233H04	Valve, Angle, SW, Seal Cap, 1-1/4" (Danfoss)	4		
	950A0233H05	Valve, Angle, SW, Seal Cap, 1-1/2" (Danfoss)	4		
—3	954A0033H01	Valve, Angle, SC, Hand Expansion, 1" SW	1		
	954A0033H02	Valve, Angle, SC, Hand Expansion, 1-1/4" SW	1		
	954A0047H01	Valve, Angle, SC, Hand Expansion, 1-1/2" SW	1		
—4	944A0063H37	Cross, Female Pipe Thread, 1"	1		
—5	957A0003H01	Valve, Angle, Seal Cap, 1/4" MPT x 1/4" FPT	2		

* See Figure 4 for parts.

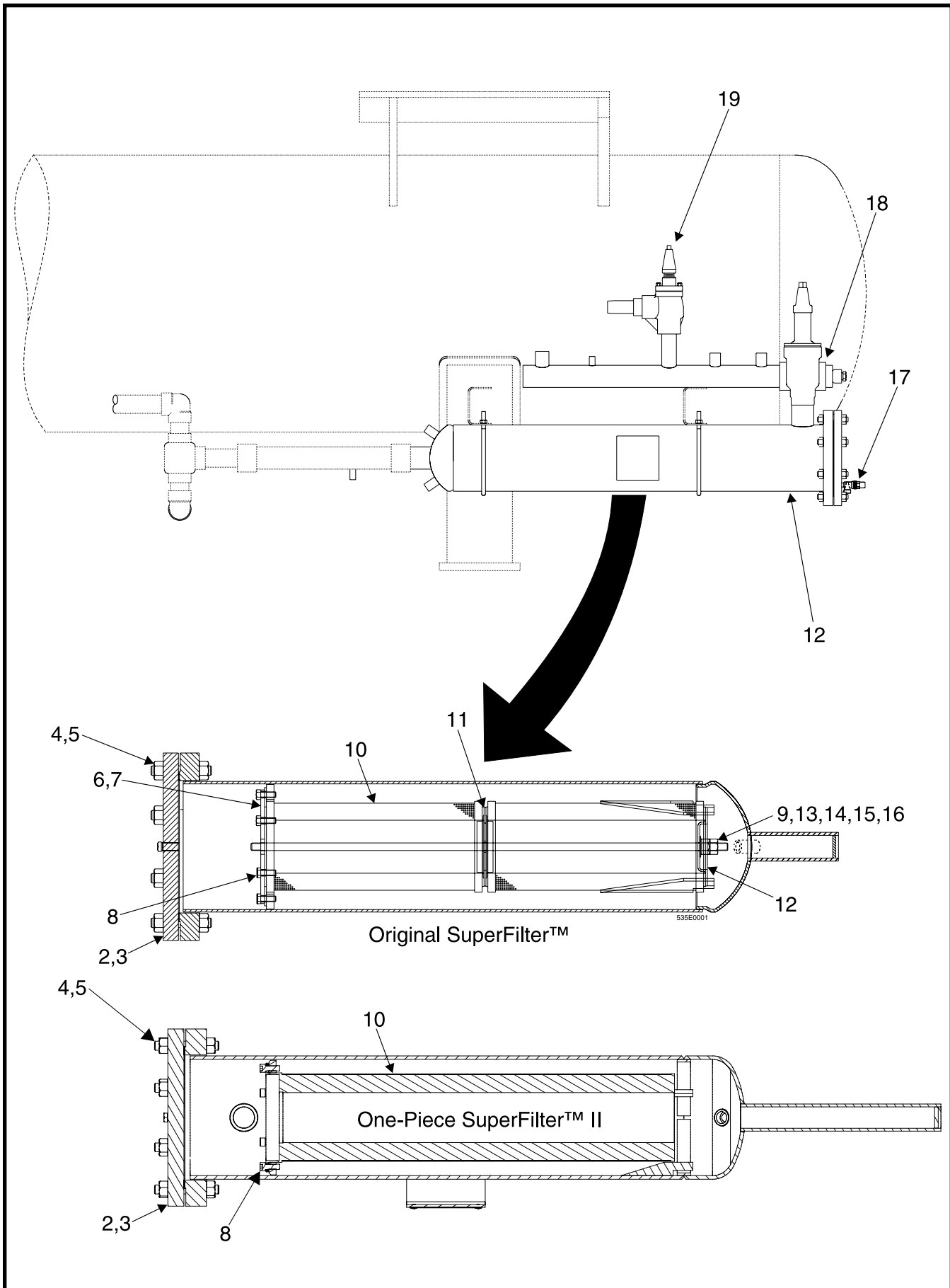


Figure 6. Oil Filter, Standard, Current (Two-Element Shown).

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
6—	—	Assembly, Oil Filter	Ref.	—	
—1	553E0005	Assembly, Filter, 100 & 134	1		
	553E0001	Assembly, Filter, 177 & 222	1		
	553E0004	Assembly, Filter, 316	1		
	553E0003	Assembly, Filter, 399	1		
	553E0003	Assembly, Filter, 546	1		
—2	959A0082H01	Gasket	1		
—3	553A0001H01	Cover, End	1		
—4	901A0098H11	Stud, 5/8-11 x 4"	8		
—5	902A0021H03	Nut, 5/8-11 UNC	16		
—6	535A0144H01	Plate, Clamping	1		
—7	959A0053H01	Gasket	1		
—8	901A0043D05	Capscrew, Hex Head, 3/8-16 x 1"	6		
—9	333Q0001268	Rod, Threaded, 1/2-13 x 31-1/2"	1		
—10	531B0100H01	Element, SuperFilter™ II (RDB 100 & 134)	1		
	531B0100H01	Element, SuperFilter™ II (RDB 177-399 before 6/99)	1		
	531B0100H02	Element, SuperFilter™ II (RDB 177-316 after 6/99)	1		
	531B0100H03	Element, SuperFilter™ II (RDB 399 after 6/99)	1		
	531B0100H02	Element, SuperFilter™ II (RDB 546 before 6/99)	1		
	531B0100H03	Element, SuperFilter™ II (RDB 546 after 6/99)	1		
	531A0218H01	Element, SuperFilter™ (original)	1-3		
—11	900A0007H01	Seal, Center	1-2		
—12	900A0008H01	Yoke, Bottom	1		
—13	333Q0001236	Gasket	1		
—14	905A0007H05	Washer, Flat, 1/2"	1		
—15	333Q0001237	Washer, Starlock, 1/2"	1		
—16	902A0021H01	Nut, 1/2-13 UNC	2		
—17	957A0003H01	Valve, Angle, SC, 1/4" NPT	3		
	913A0102H02	Transducer, Pressure, 0—500 PSIA	2		PE-1,2
—18	950A0233H05	Valve, Angle, SC, 1-1/2" SW (Danfoss)	1		
	950A0233H06	Valve, Angle, SC, 2" SW (Danfoss)	1		
	950A0241H07	Valve, Angle, SC, 2-1/2" BW (Danfoss)	1		
—19	954A0033H01	Valve, Angle, SC, Hand Expansion, 1" SW	1		
	954A0033H02	Valve, Angle, SC, Hand Expansion, 1-1/4" SW	1		
	954A0047H01	Valve, Angle, SC, Hand Expansion, 1-1/2" SW	1		

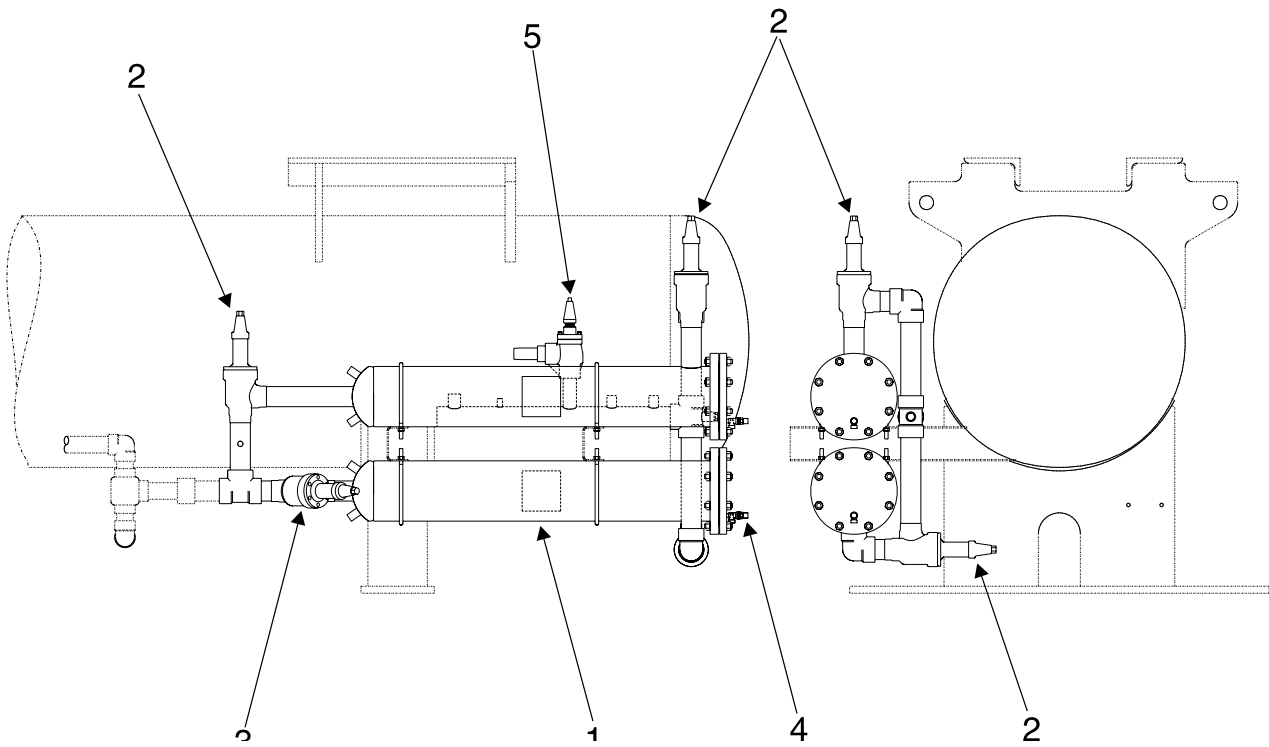


Figure 7. Dual Oil Filter, Standard, Current.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
7—	—	Dual Oil Filters, 100—546	Ref.	—	
—1	553E0005	Assembly, Filter, 100 & 134	2		
	553E0001	Assembly, Filter, 177 & 222	2		
	553E0004	Assembly, Filter, 316	2		
	553E0003	Assembly, Filter, 399 & 546	2		
—2	950A0233H05	Valve, Angle, SC, 1-1/2" SW (Danfoss)	3		
	950A0233H06	Valve, Angle, SC, 2" SW (Danfoss)	3		
	950A0241H07	Valve, Angle, SC, 2-1/2" BW (Danfoss)	3		
—3	950A0245H05	Valve, Globe, SC, 1-1/2" SW (Danfoss)	1		
	950A0245H06	Valve, Globe, SC, 2" SW (Danfoss)	1		
	950A0253H07	Valve, Globe, SC, 2-1/2" BW (Danfoss)	1		
—4	957A0003H01	Valve, Angle, SC, 1/4" NPT	2		
—5	954A0033H01	Valve, Hand Expansion, SC, 1" SW	1		
	954A0033H02	Valve, Hand Expansion, SC, 1-1/4" SW	1		
	954A0047H01	Valve, Hand Expansion, SC, 1-1/2" SW	1		

NOTE: For Filter Assembly service parts, see Figure 6.

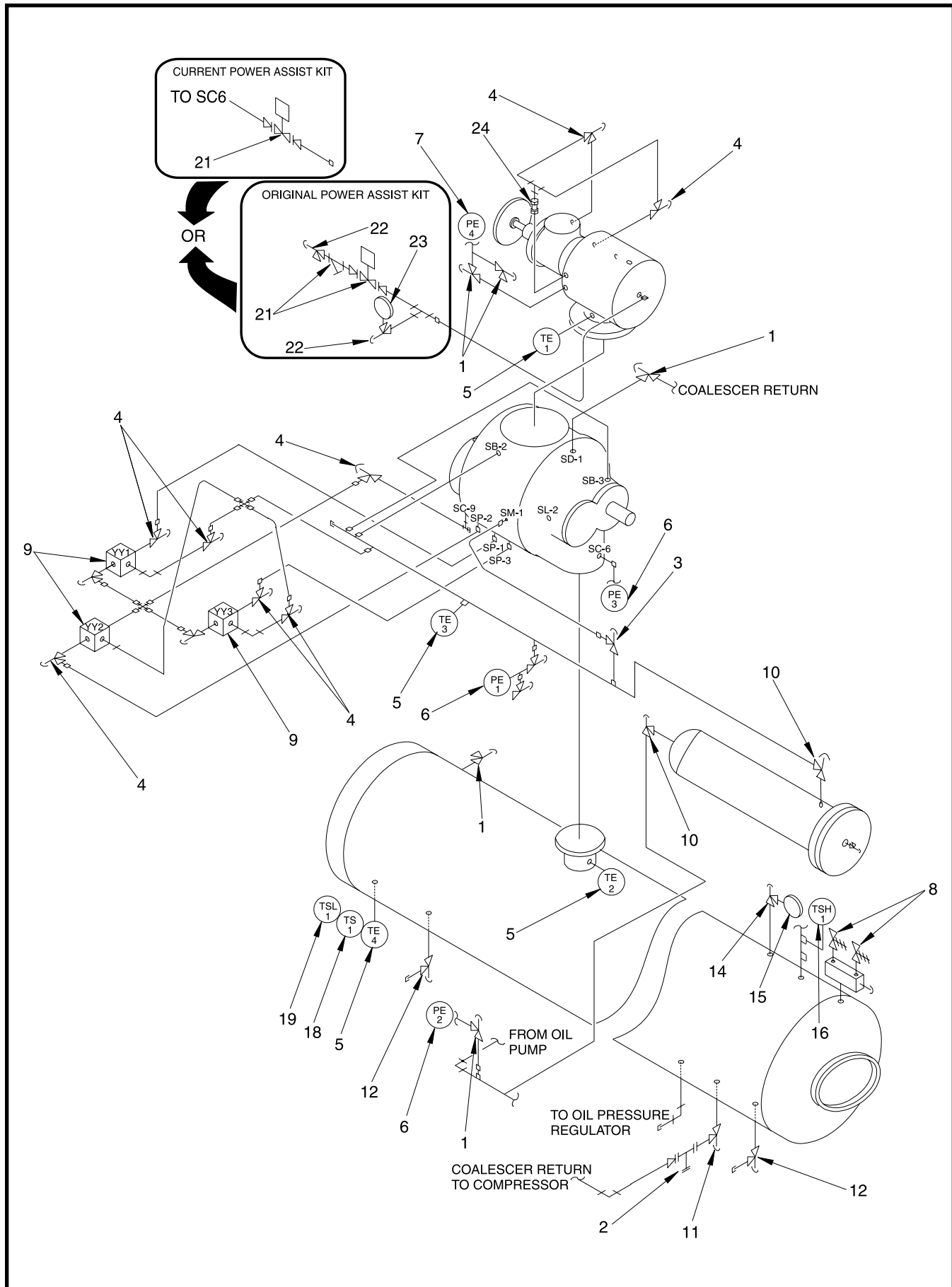


Figure 8. Piping and Instrumentation, Typical.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
8—	720E0011	Package Parts Assembly, Models 100 & 134, R-717	Ref.	B	
	720E0089	Package Parts Assembly, Models 177 & 222, R-717	Ref.	—	
	720E0078	Package Parts Assembly, Model 316, R-717	Ref.	—	
	720E0087	Package Parts Assembly, Model 399, R-717	Ref.	—	
	720E0019	Package Parts Assembly, Model 546, R-717	Ref.	Z	
—1	957A0030H02	Valve, Angle, Seal Cap, 3/8 MPT x 3/8" FPT	12		
—2	950A0019H01	Strainer, 1/2" FPT x Flange	1		
	950A0019H04	Screen w/Gasket, Strainer	1		
—3	954A0032H01	Valve, Hand Expansion, 1/2" S.W., 100—222	1		
	954A0032H02	Valve, Hand Expansion, 3/4" S.W., 316	1		
	954A0033H01	Valve, Hand Expansion, 1" S.W., 399	1		
	954A0033H02	Valve, Hand Expansion, 1-1/4" S.W., 546	1		
	954A0047H01	Valve, Hand Expansion, SC, 1-1/2" SW	1		
	954A0047H02	Valve, Hand Expansion, SC, 2" SW	1		
—4	957A0003H02	Valve, Angle, Seal Cap, 3/8 MPT x 3/8" FPT	2		
—5	not available*	Sensor, Temperature, 3/16 x 4", Version A	4		TE1-4
	990A0014H01	Well, Temperature Sensor, 3/4" NPT, Original	4		
	980A0017H01	Washer, Neoprene, for 111Q0280818	4		
	640A0035H01*	Sensor, Temperature, 5/16 x 1", Version B	4		TE1-4
	640A0038H10	Tube, Retainer, Current Temperature Sensor (cut to length)	4		
	990A0062H01	Well, Temperature Sensor, 3/4" NPT, Current	4		
	640A0033H01	Spring, Retainer, Tube (Stonco, 1-3/8" to ϕ of eye)	4		
	640A0051H01	Spring, Retainer, Tube (RAB, 7/8" to ϕ of eye)	4		
	913A0101H01*	Assembly, Temperature Sensor w/Well, Version C	1		TE1-4
	913A0101H11	Sensor, Temperature, less Well	1		
* Version A used prior to 8/97, is no longer available. Replace with 649A0890G02 sensor and well assbly. When converting, it is recommended to change all four wells and probes. See Service Information Letter NS-16-01. Version B used from 8/97 to 4/01. Version C current from 4/01, has a DIN connector.					
—6	913A0110H05	Transducer, Pressure, 0-300 PSIA (Plus)	3		PE1,2,3,5
	913A0110H02	Transducer, Pressure, 0-500 PSIA (Quantum)	2		PE1,2,3,5
—7	913A0110H04	Transducer, Pressure, 0-100 PSIA (Plus)	1		PE-4
	913A0110H01	Transducer, Pressure, 0-200 PSIA (Quantum)	1		PE-4
—8	—	Assembly, Dual Safety Valve (See Figure 3)	1		
—9	951A0039H01	Valve, Solenoid, 120V, 50/60Hz**	2		SV1,2
	951A0039H02	Valve, Solenoid, 240V, 50/60Hz**	2		SV1,2
	951A0021H01	Coil, 120V, 50/60Hz (2 Piece)	1		
	951A0021H02	Coil, 240V, 50/60Hz (2 Piece)	1		
	951A0039H11	Coil, 120V, 50/60Hz (1 Piece)	1		
	951A0039H12	Coil, 240V, 50/60Hz (1 Piece)	1		
** This valve changed physically on units manufactured after 4/94, the part number did not. The 1-Piece uses the 951A0021 coils. The 2-Piece uses the 951A0039 coils. The coils are not interchangeable due to physical limitations. Ref. NS-41-97.					
—10	950A0233H03	Valve, Angle, Seal Cap, 1" SW, 100—222 (Danfoss)	2		
	950A0233H04	Valve, Angle, Seal Cap, 1-1/4" SW, 316 & 399 (Danfoss)	2		
	950A0233H05	Valve, Angle, Seal Cap, 1-1/2" SW, 546 (Danfoss)	2		
—11	950A0233H01	Valve, Angle, Seal Cap, 1/2" SW, 100—316 (Danfoss)	1		
	950A0233H03	Valve, Angle, Seal Cap, 1" SW, 399 & 546 (Danfoss)	1		
—12	950A0233H02	Valve, Angle, Seal Cap, 3/4" SW, 100—316 (Danfoss)	2		
	950A0233H03	Valve, Angle, Seal Cap, 1" SW, 399 & 546 (Danfoss)	1		
—13	—	not used			
—14	950A0236H03	Valve, Angle, 1" FPT	1		
—15	990A0003H02	Gauge, Pressure, 30" Vacuum—150 PSIG	1		

RDB BOOSTER ROTARY SCREW COMPRESSOR UNIT
SERVICE PARTS LIST



FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
8—	—	Package Parts Assembly, Continued	Ref.		
	649M0002G01	Electromechanical Wiring Assembly	Ref.		
—16	111Q0280865	Switch, Temperature, 210°	1		TSH1
—17	111Q0280866	Switch, Temperature, 160°	1		TSH2
—18	111Q0280867	Switch, Temperature, 130°	1		TS1
—19	111Q0280868	Switch, Temperature, 60°	1		TSL1
—20	111Q0280869	Switch, Temperature, 115°	1		TS2
	580M0096G01	Parts, Power Assist, Multivalve, 110/120V (Original)	Ref.		
	580M0096G02	Parts, Power Assist, Multivalve, 220/240V (Original)	Ref.		
	535M0146G05	Parts, Power Assist, Multivalve, 110/120V (Current)	Ref.		
	535M0146G06	Parts, Power Assist, Multivalve, 220/240V (Current)	Ref.		
—21	951A0060H04	Valve, Solenoid, less coil (Parker Hannifin)(Original)	1		SV-9
	951A0060H05	Coil, Solenoid, 110/120V	1		
	951A0060H06	Coil, Solenoid, 220/240V	1		
	951A0006H14	Valve, Solenoid, less coil, with Strainer (R/S)(Current)	1		SV-9
	951A0006H07	Valve, Solenoid, less coil, w/o Strainer (R/S)(Current)	1		SV-9
	951A0009H01	Coil, Solenoid, 110/120V	1		
	951A0009H03	Coil, Solenoid, 220/240V	1		
	950A0001H02	Strainer (R/S)	1		
—22	957A0003H01	Valve, Angle, Seal Cap, 1/4"	2		
—23	990A0003H02	Gauge, Pressure, 30" Vacuum—150 PSIG	1		
—24	956A0031H03	Valve, Check, 3/8", 15 PSIG	1		CV
	956A0031H01	Valve, Check, 3/8", 20 PSIG	1		CV
	956A0031H04	Valve, Check, 1/2", 15 PSIG	1		CV

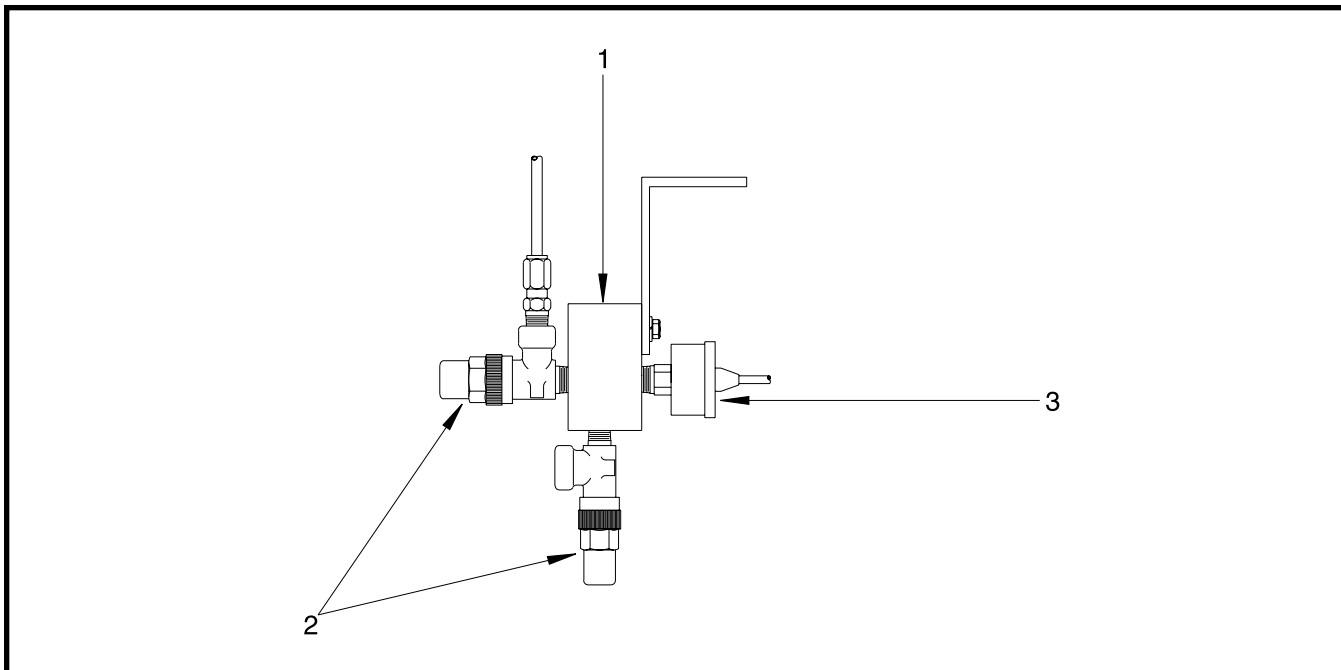


Figure 9. Transducer Manifold Assembly.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
9—	—	Transducer Manifold Assembly	Ref.	—	
—1	535C0012H01	Manifold, Transducer, Aluminum	1		
—2	957A0003H01	Valve, Angle, Seal Cap, 1/4 MPT x 1/4" FPT	7		
—3	913A0110H04	Transducer, Pressure, 0-100 PSIA (Plus)	1		PE-4
	913A0110H01	Transducer, Pressure, 0-200 PSIA (Quantum)	1		PE-4
	913A0110H05	Transducer, Pressure, 0-300 PSIA (Plus)	3		PE1-3
	913A0110H02	Transducer, Pressure, 0-500 PSIA (Quantum)	2		PE1-3

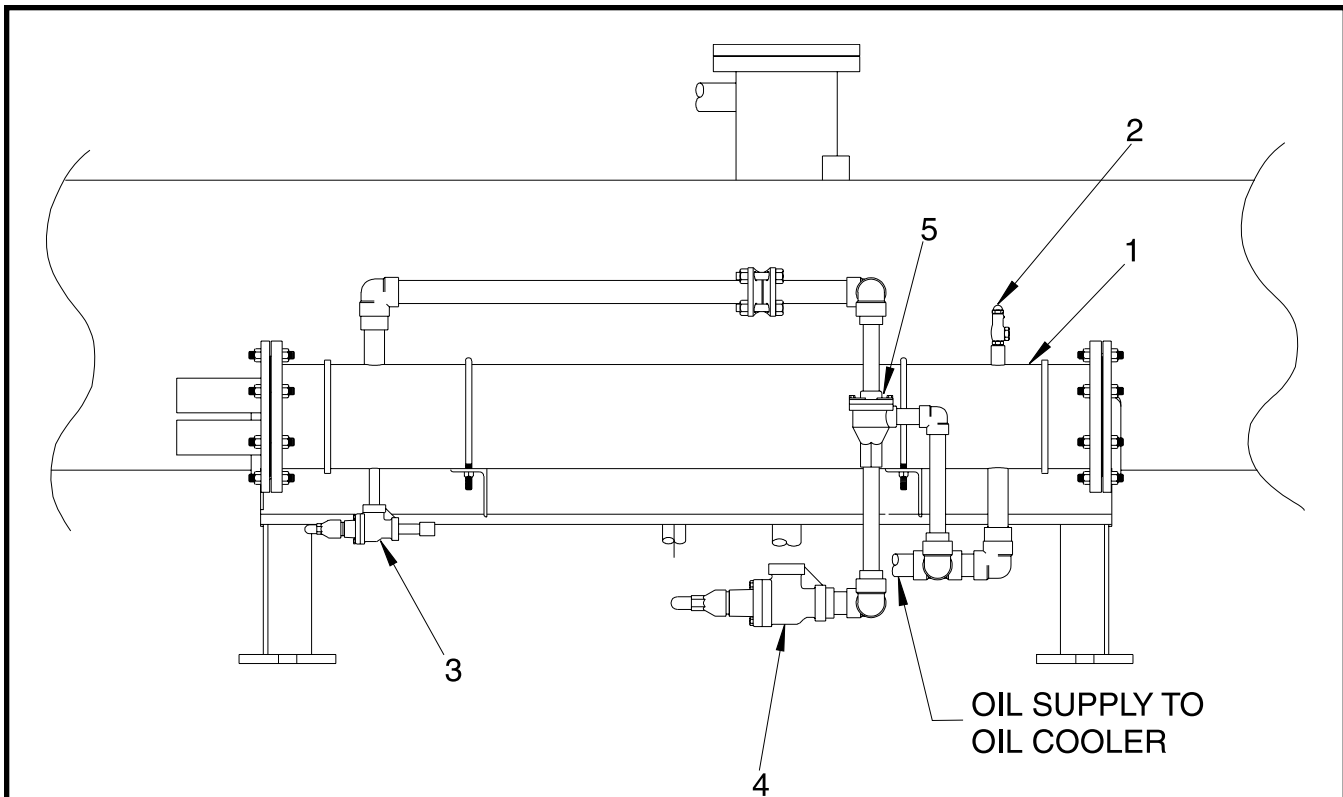


Figure 10a. Oil Cooler Piping With Oil Temperature Regulating Valve, Typical.

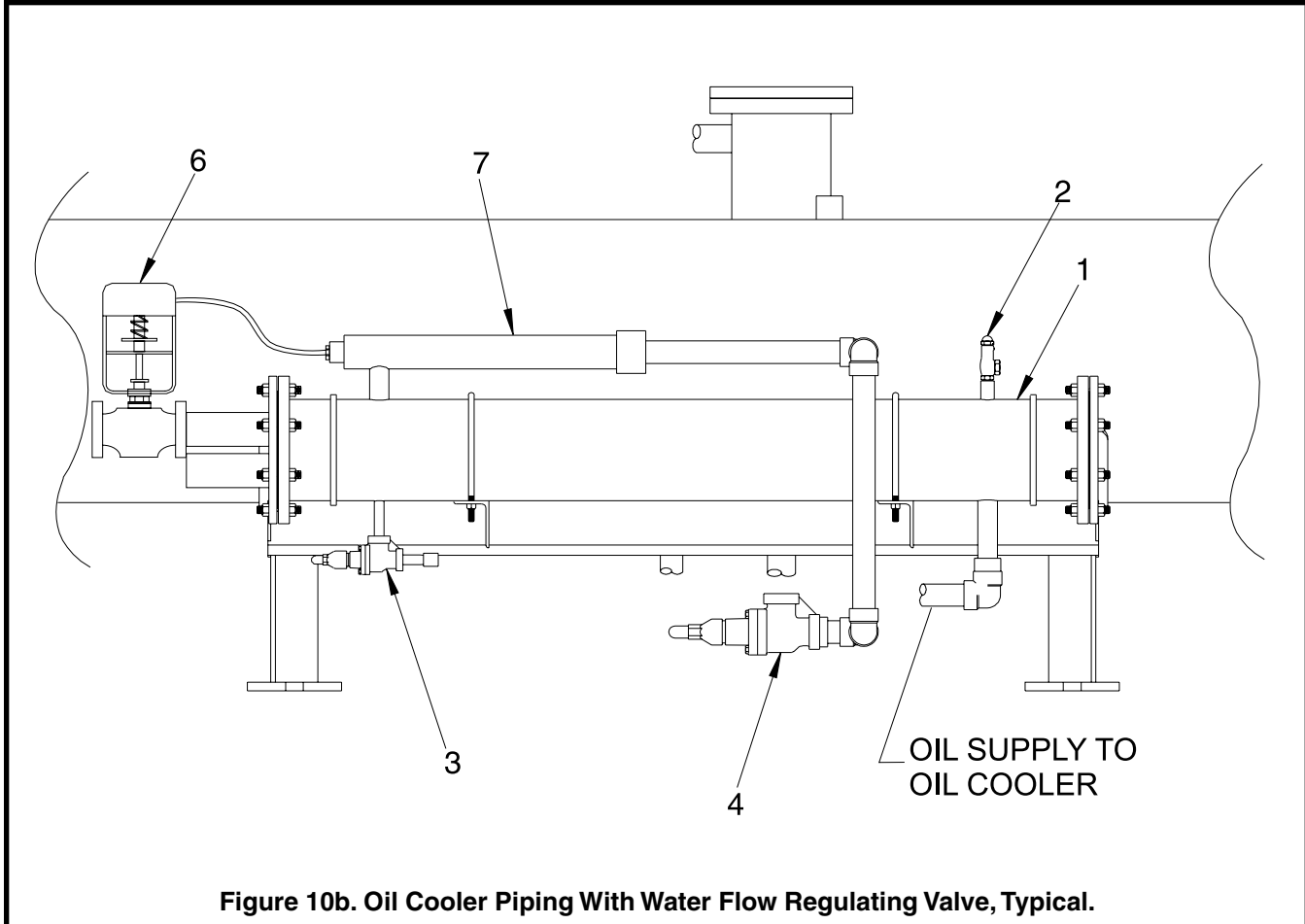


Figure 10b. Oil Cooler Piping With Water Flow Regulating Valve, Typical.

Figure 10. Oil Cooler Piping, Shell and Tube, 100-546 Typical.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
10—	535C0321	Thermosyphon Oil Cooler Piping, 100 & 134	Ref.	E	
	535C0322	Thermosyphon Oil Cooler Piping, 177 & 222	Ref.	F	
	535C0323	Thermosyphon Oil Cooler Piping, 316	Ref.	E	
	535C0324	Thermosyphon Oil Cooler Piping, 399	Ref.	F	
	535C0326	Thermosyphon Oil Cooler Piping, 546	Ref.	E	
	535C0350	Water-Cooled Oil Cooler Piping, 100 & 134	Ref.	C	
	535C0351	Water-Cooled Oil Cooler Piping, 177 & 222	Ref.	C	
	535C0352	Water-Cooled Oil Cooler Piping, 316	Ref.	C	
	535C0353	Water-Cooled Oil Cooler Piping, 399	Ref.	D	
	535C0354	Water-Cooled Oil Cooler Piping, 546	Ref.	B	
—1	547D0211G01	Oil Cooler, Thermosyphon, 6-5/8 x 60", 300 PSIG, 1 Pass	1		
	547D0212G01	Oil Cooler, Thermosyphon, 8-5/8 x 60", 300 PSIG, 1 Pass	1		
	547D0213G01	Oil Cooler, Thermosyphon, 6-5/8 x 120", 300 PSIG, 1 Pass	1		
	547D0214G01	Oil Cooler, Thermosyphon, 8-5/8 x 120", 300 PSIG, 1 Pass	1		
	547D0215G01	Oil Cooler, Thermosyphon, 10-3/4 x 120", 300 PSIG, 1 Pass	1		
	547D0216G01	Oil Cooler, Thermosyphon, 12-3/4 x 120", 300 PSIG, 1 Pass			
	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		
	547D0488G01	Oil Cooler, Thermosyphon, 6-5/8 x 120", 400 PSIG, 1 Pass	1		
	547D0489G01	Oil Cooler, Thermosyphon, 8-5/8 x 120", 400 PSIG, 1 Pass	1		
	547D0490G01	Oil Cooler, Thermosyphon, 10-3/4 x 120", 400 PSIG, 1 Pass	1		
	547D0491G01	Oil Cooler, Thermosyphon, 12-3/4 x 120", 400 PSIG, 1 Pass	1		
	547D0493G01	Oil Cooler, Water-Cooled, 6-5/8 x 60", 400 PSIG, 2 Pass	1		
	959A0040H16	Gasket, Head	2		
	959A0040H50	Gasket, Strip (Front Only)	1		
	901A0098H16	Stud, Head	16		
	902A0021H03	Nut, Head	32		
	547D0494G01	Oil Cooler, Water-Cooled, 8-5/8 x 60", 400 PSIG, 2 Pass	1		
	959A0040H15	Gasket, Head	2		
	959A0040H50	Gasket, Strip (Front Only)	1		
	901A0098H19	Stud, Head	16		
	902A0021H03	Nut, Head	32		
	547D0495G01	Oil Cooler, Water-Cooled, 6-5/8 x 120", 400 PSIG, 2 Pass	1		
	959A0040H16	Gasket, Head	2		
	959A0040H50	Gasket, Strip (Front Only)	1		
	901A0098H16	Stud, Head	16		
	902A0021H03	Nut, Head	32		
	547D0496G01	Oil Cooler, Water-Cooled, 8-5/8 x 120", 400 PSIG, 2 Pass	1		
	959A0040H15	Gasket, Head	2		
	959A0040H50	Gasket, Strip (Front Only)	1		
	901A0098H19	Stud, Head	16		
	902A0021H03	Nut, Head	32		
	547D0497G01	Oil Cooler, Water-Cooled, 10-3/4 x 120", 400 PSIG, 2 Pass	1		
	959A0040H17	Gasket, Head	2		
	959A0040H50	Gasket, Strip (Front Only)	1		
	901A0098H21	Stud, Head	16		
	902A0021H03	Nut, Head	32		
	547D0498G01	Oil Cooler, Water-Cooled, 12-3/4 x 120", 400 PSIG, 2 Pass	1		
	959A0040H18	Gasket, Head	2		
	959A0040H50	Gasket, Strip (Front Only)	1		
	901A0098H24	Stud, Head	24		
	902A0021H03	Nut, Head	48		

RDB BOOSTER ROTARY SCREW COMPRESSOR UNIT
SERVICE PARTS LIST



FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
10—	—	Oil Cooler Piping, Continued	Ref.		
	535M0114	Oil Cooler Fittings, 100—399	Ref.		
	535M0116	Oil Cooler Fittings, 546	Ref.		
—2	952A0019H10	Arrangement with 300 PSIG Oil Coolers: Valve, Safety, 1/2" Shank 803TJ, Vent to Atmosphere* *When replacing Frick Safety Valves, contact factory for correct size.	1		
	952A0025H01	Arrangement with 400 PSIG Oil Coolers: Valve, Oil Safety Relief, 1/2" Shank, Vent to Separator	1		
—3	950A0233H01	Valve, Angle, 1/2" SW, SC, Danfoss	1		
—4	950A0233H03	Valve, Angle, 1" SW, SC, Danfoss	1		
	950A0237H04	Valve, Angle, 1-1/4" FPT, SC, Danfoss	1		
	950A0233H04	Valve, Angle, 1-1/4", SW, SC, Danfoss	1		
	950A0233H05	Valve, Angle, 1-1/2", SW, SC, Danfoss	1		
	535C0358	Amot Valve and Fittings	Ref.		
—5	950A0046H01	Valve, Temperature Regulating, 1" S.W., Amot	1		
	950A0066G01	Kit, Service	1		
	950A0029H21	Element, Thermostatic, 120°	1		
	950A0029G31	Kit, Seal	1		
	950A0028H01	Valve, Temperature Regulating, 1-1/2" FPT, Amot	1		
	950A0067G01	Kit, Service	1		
	950A0028H21	Element, Thermostatic, 120°	1		
	950A0028G31	Kit, Seal	1		
—6	950A0027H01	Valve, Water Temperature Regulating, 1"	1		
	950A0027H02	Valve, Water Temperature Regulating, 1-1/4"	1		
	950A0027H03	Valve, Water Temperature Regulating, 1-1/2"	1		
—7	535A0154G01	Chamber, Bulbwell, Original	1		
	535A0391G01	Chamber, Bulbwell, Current	1		

This page left blank intentionally.

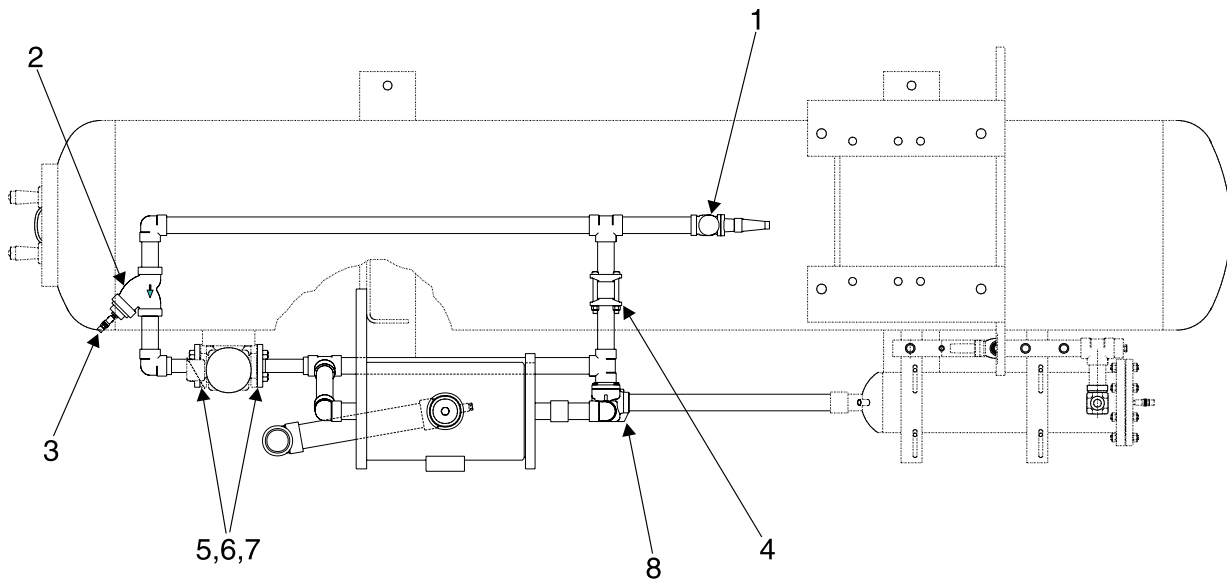
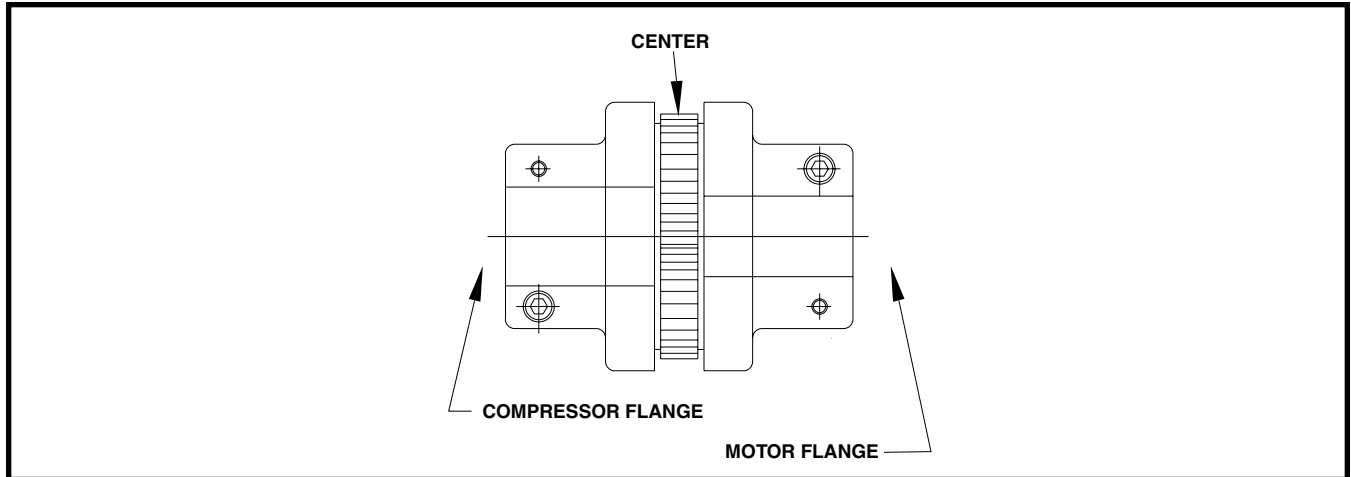


Figure 11. Oil Cooler Piping, Plate, 177-399, Current.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
11—	720D0370	Plate TSOC with Temperature Control Valve, 177 & 222	Ref.	—	
	720D0342	Plate TSOC with Temperature Control Valve, 316	Ref.	—	
	720D0355	Plate TSOC with Temperature Control Valve, 399	Ref.	—	
	720D0368	Plate WCOC with Temperature Control Valve, 177 & 222	Ref.	—	
	720D0340	Plate WCOC with Temperature Control Valve, 316	Ref.	—	
	720D0353	Plate WCOC with Temperature Control Valve, 399	Ref.	—	
—1	950A0233H06	Valve, Angle, SC, 2" SW (Danfoss)	1		
	950A0241H07	Valve, Angle, SC, 2-1/2" BW (Danfoss)	1		
—2	950A0069H07	Strainer, 1-1/2" SW, Y-type, TSOC	1		
	950A0069H25	Gasket, 1-1/2" Strainer	1		
	950A0069H37	Screen, 1-1/2" Strainer	1		
	950A0069H08	Strainer, 2" SW, Y-type, TSOC	1		
	950A0069H25	Gasket, 2" Strainer	1		
	950A0069H38	Screen, 2" Strainer	1		
	950A0055H07	Strainer, 2-1/2", SW Flanges, TSOC	1		
	950A0055H27	Screen Kit, 2-1/2" Strainer	1		
	950A0055H22	Gasket, Screen, 2-1/2" Strainer	1		
	950A0055H16	Gasket, Flange, 2-1/2" Strainer	2		
	959A0075H06	Strainer, 2", Flanged, Y-type, WCOC	1		
	950A0075H26	Screen, 2" Strainer	1		
	950A0075H46	Gasket, 2" Strainer	1		
	959A0054H06	Gasket, Flange, 2" Strainer	2		
	950A0075H08	Strainer, 3", Flanged, Y-type, WCOC	1		
	950A0075H28	Screen, 3" Strainer	1		
	950A0075H48	Gasket, 3" Strainer	1		
	959A0054H08	Gasket, Flange, 3" Strainer	2		
	950A0075H09	Strainer, 4", Flanged, Y-type, WCOC	1		
	950A0075H29	Screen, 4" Strainer	1		
	950A0075H49	Gasket, 4" Strainer	1		
	944A0126H10	Gasket, Flange, 4" Strainer	2		
—3	957A0003H01	Valve, Angle, SC, 1/4 MPT x 1/4 FPT	1		
—4	956A0012G03	Valve, Check, 1-1/2" SW	1		
	956A0012G10	Valve, Check, 2" SW	1		
	956A0012G05	Valve, Check, 2-1/2" SW	1		
—5	944A0108H05	Flange, 1-1/2" 300PSI	2		
	944A0108H07	Flange, 2-1/2" 300PSI	2		
—6	959A0054H25	Gasket, 1-1/2" 300PSI	2		
	959A0054H27	Gasket, 2-1/2" 300PSI	2		
—7	901A0172H03	Flange Bolt Kit, 1-1/2"	2		
	901A0172H05	Flange Bolt Kit, 2-1/2"	2		
—8	950A0195H01	Valve, Temperature Control, 1-1/2" SW	1		
	950A0195H11	Kit, Thermostat & Gasket	1		
	950A0195H02	Valve, Temperature Control, 2" SW	1		
	950A0195H11	Kit, Thermostat & Gasket	1		
	950A0222H01	Valve, Temperature Control, 2-1/2" SW	1		
	950A0222H11	Kit, Thermostat & Gasket	1		

This page left blank intentionally.


Figure 12. Drive Coupling.

MODEL	SIZE	COMPRESSOR FLANGE		CENTER	MOTOR FLANGE	
		PART NO.	BORE*		PART NO.	BORE*
100-134	8C	930A0093H36	2.25	930A0093H01	930A0093H03	1.875
100-134	8C	930A0093H36	2.25	930A0093H01	930A0093H04	2.125
100-134	8C	930A0093H36	2.25	930A0093H01	930A0093H53	2.375
100-134	9C	930A0093H31	2.25	930A0093H05	930A0093H07	1.875
100-134	9C	930A0093H31	2.25	930A0093H05	930A0093H08	2.125
100-134	9C	930A0093H31	2.25	930A0093H05	930A0093H09	2.375
100-134	9C	930A0093H31	2.25	930A0093H05	930A0093H91	2.559
100-134	10C	930A0093H32	2.25	930A0093H11	930A0093H13	1.875
100-134	10C	930A0093H32	2.25	930A0093H11	930A0093H14	2.125
100-134	10C	930A0093H32	2.25	930A0093H11	930A0093H15	2.375
100-134	10C	930A0093H32	2.25	930A0093H11	930A0093H23	2.875
100-134	10C	930A0093H32	2.25	930A0093H11	930A0093H41	2.625
100-134	10C	930A0093H32	2.25	930A0093H11	930A0093H89	2.165
100-134	11C	930A0093H49	2.25	930A0093H17	930A0093H44	3.375
100-134	11C	930A0093H49	2.25	930A0093H17	930A0093H19	2.375
100-134	11C	930A0093H49	2.25	930A0093H17	930A0093H79	2.625
100-134	11C	930A0093H49	2.25	930A0093H17	930A0093H87	2.625
177-222	9C	930A0093H40	2.50	930A0093H05	930A0093H07	1.875
177-222	9C	930A0093H40	2.50	930A0093H05	930A0093H08	2.125
177-222	9C	930A0093H40	2.50	930A0093H05	930A0093H09	2.375
177-222	10C	930A0093H34	2.50	930A0093H11	930A0093H15	2.375
177-222	10C	930A0093H34	2.50	930A0093H11	930A0093H23	2.875
177-222	10C	930A0093H34	2.50	930A0093H11	930A0093H55	2.165
177-222	10C	930A0093H34	2.50	930A0093H11	930A0093H56	2.750
177-222	11C	930A0093H35	2.50	930A0093H17	930A0093H47	2.875
177-222	11C	930A0093H35	2.50	930A0093H17	930A0093H33	2.625
177-222	11C	930A0093H35	2.50	930A0093H17	930A0093H19	2.375
177-222	11C	930A0093H35	2.50	930A0093H17	930A0093H50	3.000
177-222	11C	930A0093H35	2.50	930A0093H17	930A0093H44	3.375
316-546	11C	930A0093H45	3.25	930A0093H17	930A0093H19	2.375
316-546	11C	930A0093H45	3.25	930A0093H17	930A0093H47	2.875
316-546	11C	930A0093H45	3.25	930A0093H17	930A0093H57	2.756
316-546	11C	930A0093H45	3.25	930A0093H17	930A0093H70	2.165
316-546	11C	930A0093H45	3.25	930A0093H17	930A0093H71	3.375
316-546	11C	930A0093H45	3.25	930A0093H17	930A0093H33	2.625
316-546	11C	930A0093H45	3.25	930A0093H17	930A0093H79	2.625
316-546	11C	930A0093H45	3.25	930A0093H17	930A0093H78	2.559

* In Inches.

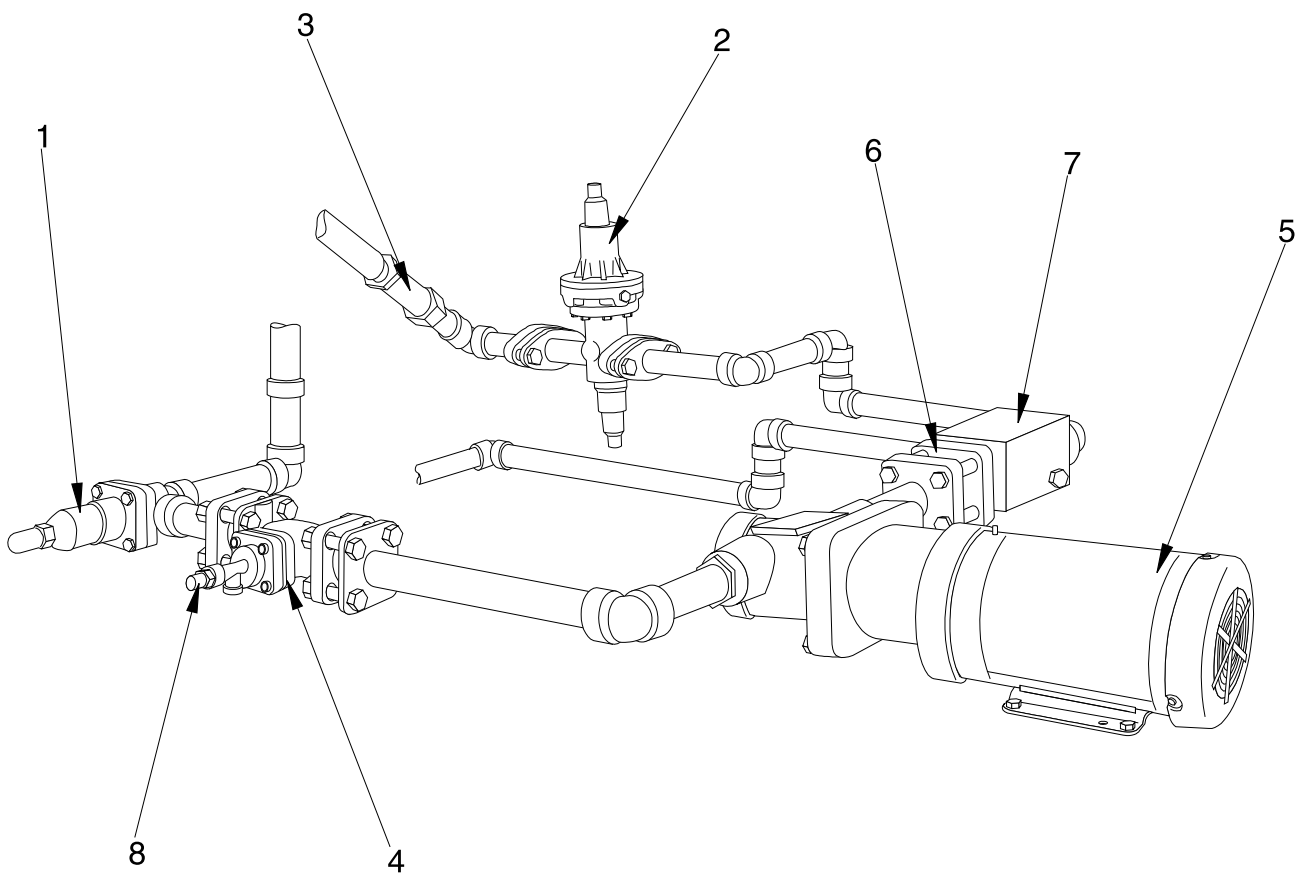


Figure 13. Full-Lube Oil Pump Piping, Typical.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
13—	—	Full Lube Oil Pump Piping	Ref.		
—1	950A0233H04	Valve, Angle, SW, SC, 1/1/4", Danfoss	1-2		
	950A0233H06	Valve, Angle, SW, SC, 2", Danfoss	1		
—2	954A0007H02	Regulator, Differential Pressure, 3/4", 100—546	1		
	954A0007H05	Regulator, Differential Pressure, 1", 546	1		
	954A0007H06	Flange Ring & Tube Assembly for 3/4 & 1" Regualtor	1		
	959A0057H03	Flange Gasket for 3/4 & 1" Regulator	2		
—3	956A0014H01	Valve, Check, In-line, 3/4", 100—546	1		
	956A0014H02	Valve, Check, In-line, 1", 546	1		
—4	951A0037H13	Strainer, 40 Mesh, 1-1/4", (Hubbell), 100—316	1		
	959A0003H06	Gasket, Strainer Cap, 1-1/4"	1		
	959A0057H04	Gasket, Flanged Union, 1-1/4"	1		
	950A0069H06	Strainer, 60 Mesh, SW 1-1/4", Current, (Hayward), 316	1		
	950A0069H24	Gasket, Strainer Cap, 1-1/4"	1		
	950A0069H36	Screen, Strainer, 1-1/4"	1		
	951A0037H14	Strainer, 40 Mesh, 2", (Hubbell), 399 & 546	1		
	959A0003H07	Gasket, Strainer Cap, 2"	1		
	959A0057H07	Gasket, Flanged Union, 2"	1		
	950A0069H08	Strainer, 60 Mesh, SW 2", Current, (Hayward), 546	1		
	950A0069H25	Gasket, Strainer Cap, 2"	1		
	950A0069H38	Screen, Strainer 2"	1		
—5	960A0066G01	Oil Pump/Motor, Viking 1.5 HP, 1750/1450 RPM	1		
	960A0066H01	Pump, HJ495M	1		P-1
	960A0066H41	Kit, Shaft Seal (incl. bearings, seal, o-ring & nut)	1		
	914A0015H02	Motor, 230/460V	1		PM-1
	960A0066H11	Coupling, Drive	1		
	960A0066G03	Oil Pump/Motor, Viking 3 HP, 1750/1450 RPM	1		
	960A0066H02	Pump, HL495M	1		P-1
	960A0066H41	Kit, Shaft Seal (incl. bearings, seal, o-ring & nut)	1		
	914A0015H03	Motor, 190/380V-230/460V	1		PM-1
	960A0066H11	Coupling, Drive	1		
	960A0067G05	Oil Pump/Motor, Viking 5 HP, 1150 RPM	1		
	960A0067H02	Pump, AK495M	1		P-1
	960A0067H41	Kit, Shaft Seal (incl. bearings, seals, o-ring & nut)	1		
	914A0016H03	Motor, 230/460V	1		
	960A0067H11	Coupling, Drive	1		
	960A0077G09	Oil Pump/Motor, Viking 7-1/2 HP, 1150 RPM	1		
	960A0077H03	Pump, AL495M	1		P-1
	960A0077H41	Kit, Shaft Seal (incl. bearings, seals, o-ring & nut)	1		
	914A0016H05	Motor, 230/460V	1		PM-1
	960A0067H12	Coupling, Drive	1		
—6	944A0360G10	Flanged Union, Frick, 1-1/4" Square, 100—399	1		
	959A0057H04	Gasket, Flanged Union, 1-1/4"	1		
	944A0360G11	Flanged Union, Frick, 1-1/2" Square, 546	1		
	959A0057H05	Gasket, Flanged Union, 1-1/2"	1		
	944A0360G12	Flanged Union, Frick, 2" Square, 546	1		
	959A0057H07	Gasket, Flanged Union, 2"	2		
—7	535A0290H01	Manifold, Oil Pump, 100—222	1		
	535A0293H01	Manifold, Oil Pump, 316 & 399	1		
	535C0182G01	Manifold, Oil Pump, 546	1		
—8	957A0003H01	Valve, Angle, Seal Cap, 1/4" MPT x 1/4" FPT	A/R		

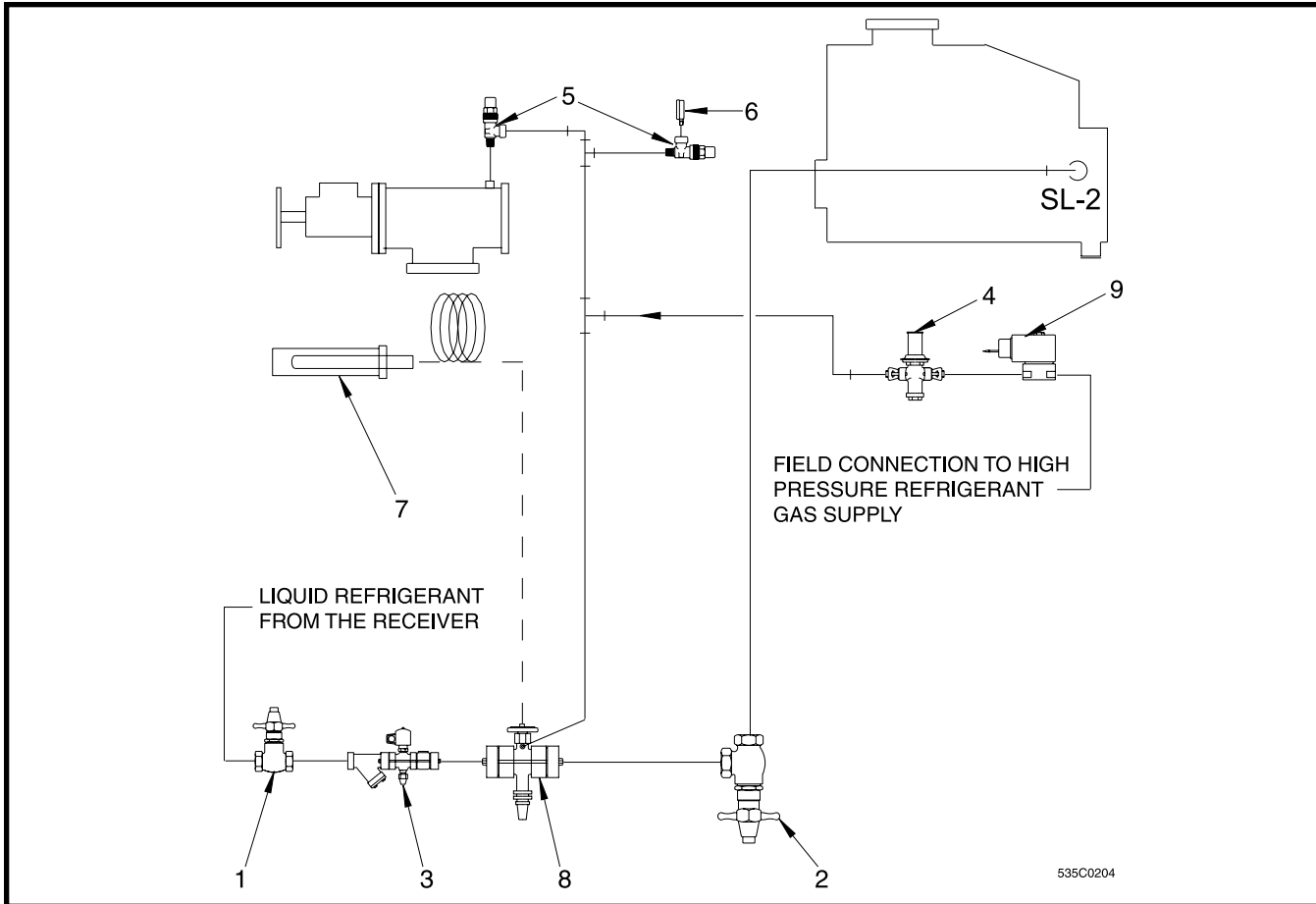


Figure 14. Liquid Injection Piping, Typical.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
14—	535C0204	Liquid Injection Piping	Ref.	B	
—1	950A0249H01	Valve, Globe, SC, 1/2" NPT, Danfoss	1		
	950A0249H02	Valve, Globe, SC, 3/4" NPT, Danfoss	1		
	950A0249H03	Valve, Globe, SC, 1" NPT, Danfoss	1		
—2	950A0237H01	Valve, Angle, SC, 1/2" NPT, Danfoss	1		
	950A0237H02	Valve, Angle, SC, 3/4" NPT, Danfoss	1		
	950A0237H03	Valve, Angle, SC, 1" NPT, Danfoss	1		
—3	950A0018G01	Kit, Valve & Strainer, 3/4" NPT, w/AE 20—100, R-717 ⁽¹⁾	Ref.		
	951A0041H01	Valve, Solenoid, 3/4" FPT	1		SV5
	950A0190H01	Coil, Solenoid, 120V/60Hz	1		
	950A0012H01	Strainer, 80 Mesh, 3/4" FPT	1		
	950A0186G01	Kit, Valve & Regulator, 3/4" SW, w/AE 20—100, R-717 ⁽¹⁾	Ref.		
	951A0041H01	Valve, Solenoid, 3/4" FPT	1		SV-5
	950A0190H01	Coil, Solenoid, 120V/60Hz	1		
	950A0069H04	Strainer, 60 Mesh, Y-type, 3/4" SW (not incl. w/950A0186G01)	1		
	950A0069H22	Gasket, Strainer	1		
	950A0069H34	Screen, Strainer	1		
	950A0018G02	Kit, Valve & Strainer, 1/2" NPT, w/DAE 2 & 5, R-717 ⁽¹⁾	Ref.		
	951A0066H01	Valve, Solenoid	1		SV5
	950A0190H01	Coil, Solenoid, 120V/60Hz	1		
	950A0019H01	Strainer, 100 Mesh, 1/2" FPT/flanged outlet	1		
	950A0019H04	Screen w/Gasket, Strainer	1		
	950A0186G02	Kit, Valve & Strainer, 1/2" SW, w/DAE 2 & 5, R-717 ⁽¹⁾	Ref.		
	951A0066H01	Valve, Solenoid	1		SV5
	950A0190H01	Coil, Solenoid, 120V/60Hz	1		
	950A0069H03	Strainer, 100 Mesh	1		
	950A0069H21	Gasket, Strainer	1		
	950A0069H33	Screen, Strainer	1		

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
	950A0021G03	Kit, Valve & Strainer, 1/2" NPT, w/HVE 2—16, R-22 ⁽¹⁾	Ref.		
	951A0041H01	Valve, Solenoid, 3/4" FPT	1		SV-5
	950A0190H01	Coil, Solenoid, 120V/60Hz	1		
	950A0012H01	Strainer, 80 Mesh, 3/4" FPT	1		
	950A0187G01	Kit, Valve & Regulator, 1/2" SW, w/HVE 2-1/2—16, R-22 ⁽¹⁾	1		
	951A0041H01	Valve, Solenoid, 3/4" FPT	1		SV-5
	950A0190H01	Coil, Solenoid, 120V/60Hz	1		
	950A0069H04	Strainer, 60 Mesh, Y-type, 3/4" SW (not incl. w/950A0187G01)	1		
	950A0069H22	Gasket, Strainer	1		
	950A0069H34	Screen, Strainer	1		
	950A0021G04	Kit, Valve & Strainer, 1" NPT, w/MVE 12—34, R-22 ⁽¹⁾	Ref.		
	Contact Frick Parts	Valve, Solenoid, 1" FPT	1		SV-5
	950A0190H03	Coil, Solenoid, 120V/60Hz	1		
	950A0012H01	Strainer, 80 Mesh, 3/4" FPT	1		
	950A0187G02	Kit, Valve & Regulator, 1" SW, w/MVE 12—34, R-22 ⁽¹⁾	1		
	Contact Frick Parts	Valve, Solenoid, 1" SW Flange	1		SV-5
	950A0190H03	Coil, Solenoid, 120V/60Hz	1		
	950A0069H05	Strainer, 60 Mesh, Y-type, 1" SW (not incl. w/950A0187G02)	1		
	950A0069H23	Gasket, Strainer	1		
	950A0069H35	Screen, Strainer	1		
—4	954A0008H01	Regulator, Pressure, w/AAE & DAE	1		
	954A0008H02	Element, Replacement	1		
	952A0004H01	Regulator, Pressure, w/HVE, MVE & VVE	1		
—5	957A0003H01	Valve, Angle, Seal Cap, 1/4", R-717, R-22	2		
—6	990A0011H01	Gauge, Pressure, R-717, R-22	1		PI
—7	531A0139H01	Well, Standard TX Valve			
—8	954A0050H01	Valve, Therm. Exp., R-717, DAE-2 Tons Cap.	1	A	TX
	954A0050H02	Valve, Therm. Exp., R-717, DAE-5 Tons Cap.	1	A	TX
	954A0050H03	Valve, Therm. Exp., R-717, DAE-10 Tons Cap.	1	A	TX
	954A0050H04	Valve, Therm. Exp., R-717, DAE-15 Tons Cap.	1	A	TX
	959A0089H03	Gasket, Flange, for DAE	2	—	
	954A0010H20	Element, Power, for DAE	1	A	
	954A0050H05	Valve, Therm. Exp., R-717, AAE-20 Tons Cap.	1	A	TX
	954A0050H06	Valve, Therm. Exp., R-717, AAE-30 Tons Cap.	1	A	TX
	954A0050H07	Valve, Therm. Exp., R-717, AAE-50 Tons Cap.	1	A	TX
	954A0050H08	Valve, Therm. Exp., R-717, AAE-75 Tons Cap.	1	A	TX
	954A0050H09	Valve, Therm. Exp., R-717, AAE-100 Tons Cap.	1	A	TX
	959A0089H02	Gasket, Flange, for AAE	2	—	
	954A0010H30	Element, Power, for AAE	1	C	
	954A0051H01	Valve, Therm. Exp., R-22, HVE-2-1/2 Tons Cap. ⁽²⁾	1	A	TX
	954A0051H02	Valve, Therm. Exp., R-22, HVE-5-1/2 Tons Cap. ⁽²⁾	1	A	TX
	954A0051H03	Valve, Therm. Exp., R-22, HVE-11 Tons Cap. ⁽²⁾	1	A	TX
	954A0051H04	Valve, Therm. Exp., R-22, HVE-16 Tons Cap. ⁽²⁾	1	A	TX
	959A0089H03	Gasket, Flange, for HVE	2	—	
	959A0089H04	Gasket, Flange, for HVE	2	—	
	954A0012H20	Element, Power, for HVE	1	A	
	954A0051H05	Valve, Therm. Exp., R-22, MVE-12 Tons Cap. ⁽²⁾	1	A	TX
	954A0051H06	Valve, Therm. Exp., R-22, MVE-21 Tons Cap. ⁽²⁾	1	A	TX
	954A0051H07	Valve, Therm. Exp., R-22, MVE-34 Tons Cap. ⁽²⁾	1	A	TX
	959A0089H02	Gasket, Flange, for MVE	2	—	
	954A0012H30	Element, Power, for MVE	1	A	
	954A0051H08	Valve, Therm. Exp., R-22, VVE-52 Tons Cap. ⁽²⁾	1	A	TX
	959A0089H02	Gasket, Flange, for VVE-52	2	—	
	954A0051H09	Valve, Therm. Exp., R-22, VVE-70 Tons Cap. ⁽²⁾	1	A	TX
	954A0051H10	Valve, Therm. Exp., R-22, VVE-100 Tons Cap. ⁽²⁾	1	A	TX
	959A0089H01	Gasket, Flange, for VVE 70 & 100	2	—	
	954A0012H30	Element, Power, for VVE	1	A	
—9	951A0020H01	Solenoid Valve, R-717, R-22	1		SV-10
	951A0021H01	Coil, Solenoid, 120V	1		

(1) Solenoid Valve and Strainer 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. Note that Kit numbers are for identification purposes, and are not used for ordering. Early kits use NPT connections, while later kits use socket weld connections.

(2) Internal Replacement Parts Kits are available for the 954A0051 TX Valve. Contact Frick Parts Dept.

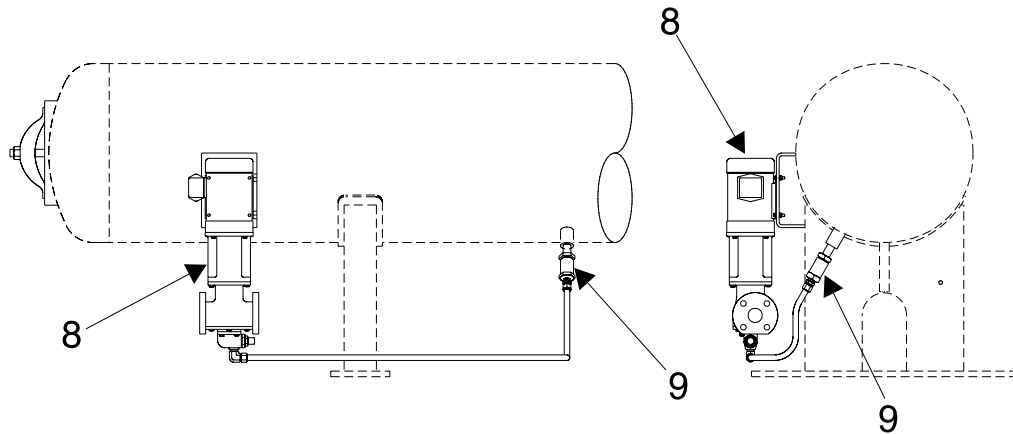


Figure 15a. Oil Pump Mounting and Tubing Assbly.

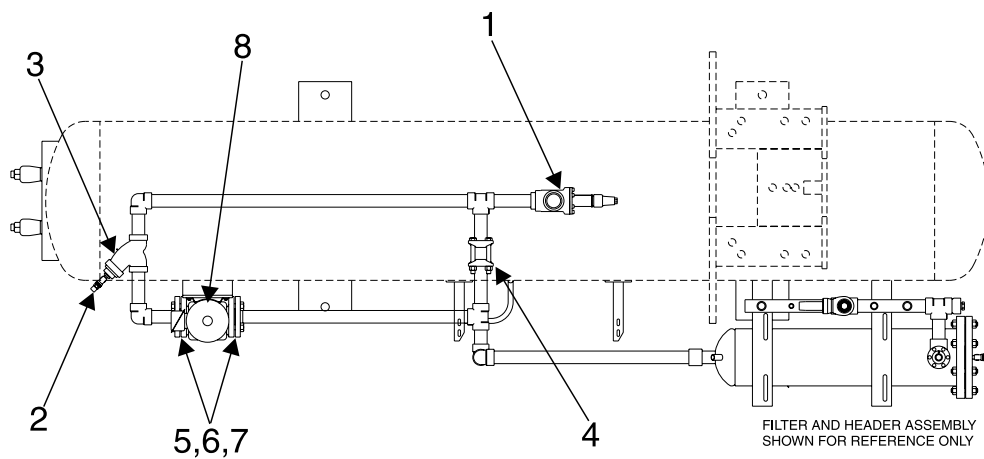


Figure 15b. Liquid Injection with Demand Pump.

Figure 15. Liquid Injection with Oil Pump, Current.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
15—	720D0377	Oil Pump Mounting and Tubing Assbly., 177 & 222	Ref.	—	
	720D0345	Oil Pump Mounting and Tubing Assbly., 316	Ref.	—	
	720D0358	Oil Pump Mounting and Tubing Assbly., 399	Ref.	—	
	720D0378	Liquid Injection Piping, 177 & 222	Ref.	—	
	720D0346	Liquid Injection Piping, 316	Ref.	—	
	720D0359	Liquid Injection Piping, 399	Ref.	—	
	720D0379	Liquid Injection with Oil Pump, 177 & 222	Ref.	—	
	720D0347	Liquid Injection with Oil Pump, 316	Ref.	—	
	720D0360	Liquid Injection with Oil Pump, 399	Ref.	—	
—1	950A0233H06	Valve, Angle, SC, 2" SW, Danfoss	1		
	950A0241H07	Valve, Angle, SC, 2-1/2" BW, Danfoss	1		
—2	957A0003H01	Valve, Angle, SC, 1/4" FPT	1		
—3	950A0069H07	Strainer, Y-type, 1-1/2" SW	1		
	950A0069H25	Gasket, Strainer	1		
	950A0069H37	Screen, Strainer	1		
	950A0069H08	Strainer, Y-type, 2" SW	1		
	950A0069H25	Gasket, Strainer	1		
	950A0069H38	Screen, Strainer	1		
	950A0001H07	Strainer, 2-1/2" SW	1		
	950A0001H35	Gasket, Flange	2		
	950A0001H26	Screen Kit w/Gasket	1		
	950A0001H41	Gasket, Screen	1		
—4	956A0012G03	Valve, Check, 1-1/2" SW	1		
	956A0012G10	Valve, Check, 2" SW	1		
	956A0012G05	Valve, Check, 2-1/2" SW	1		
—5	944A0108H05	Flange, 1-1/2" SW ANSI, 300#	2		
—6	959A0054H25	Gasket, 1-1/2" - 300# Flange	2		
—7	901A0172H03	Bolt Kit, Flange, 1-1/2" - 300# ANSI	2		
—8	960A0082G01	Oil Pump Assembly, 1 HP, 208/230/460-3-60	1		
	960A0082G01	Oil Pump Assembly, 1 HP, 190/180-3-50	1		
	960A0082G02	Oil Pump Assembly, 1 HP, 575-3-60	1		
	960A0082G03	Oil Pump Assembly, 1 HP, 415-3-50	1		
	960A0082H01	Pump only*	1		
	914A0015H02	Motor only	1		
	960A0066H11	Coupling only	1		
	960A0082G07	Oil Pump Assembly, 1-1/2 HP, 208/230/460-3-60	1		
	960A0082G08	Oil Pump Assembly, 1-1/2 HP, 190/380-3-50	1		
	960A0082G09	Oil Pump Assembly, 1-1/2 HP, 575-3-60	1		
	960A0082G10	Oil Pump Assembly, 1-1/2 HP, 415-3-50	1		
	960A0082H01	Pump only*	1		
	914A0015H02	Motor only	1		
	960A0066H11	Coupling only	1		
	960A0082G04	Oil Pump Assembly, 3 HP, 208/230/460-3-60	1		
	960A0082G04	Oil Pump Assembly, 3 HP, 190/380-3-60	1		
	960A0082G05	Oil Pump Assembly, 3 HP, 575-3-60	1		
	960A0082G06	Oil Pump Assembly, 3 HP, 415-3-50	1		
	960A0082H02	Pump only*	1		
	914A0015H03	Motor only	1		
	960A0066H12	Coupling only	1		
—9	956A0014H01	Check Valve, Inline, 3/4" NPT	1		
	956A0014H02	Check Valve, Inline, 1" NPT	1		
	* Shaft Seal Kit - 960A0076H41				

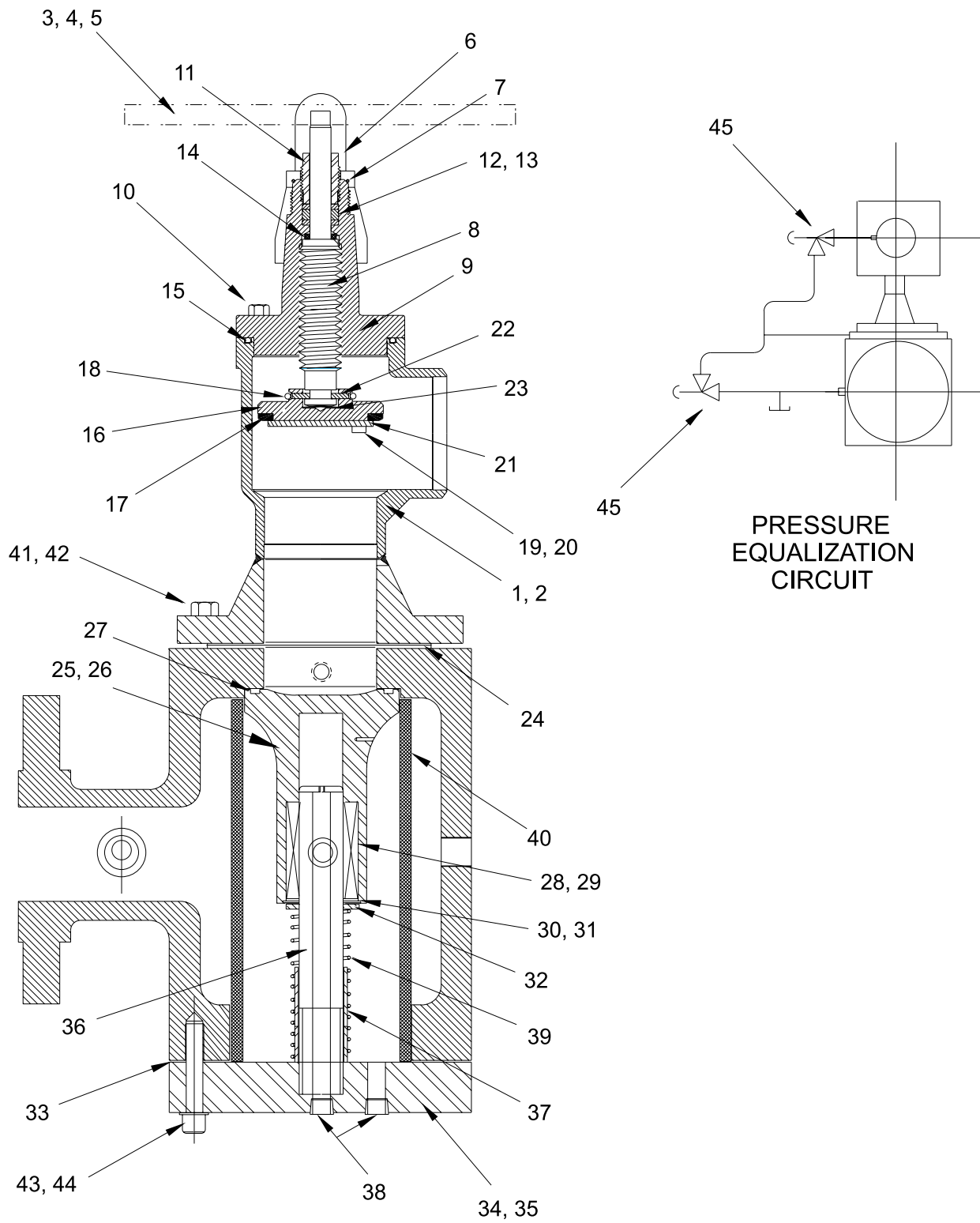


Figure 16.5 — 8" Multivalve, Frick.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
16—	535D0202G01	Assembly, Multivalve, 5", 150 PSIG, R-22, SC	Ref.	C	
	535D0202G02	Assembly, Multivalve, 5", 150 PSIG, R-22, SC 110V	Ref.	C	
	535D0202G03	Assembly, Multivalve, 5", 150 PSIG, R-22, SC 220V	Ref.	C	
	535D0202G04	Assembly, Multivalve, 5", 150 PSIG, R-717, HW	Ref.	C	
	535D0202G05	Assembly, Multivalve, 5", 150 PSIG, R-717, HW 110V	Ref.	C	
	535D0202G06	Assembly, Multivalve, 5", 150 PSIG, R-717, HW 220V	Ref.	C	
—1	535C0232G10	Assembly, Valve, Handwheel	1		
—2	535C0232G02	Assembly, Valve, Seal Cap	1		
—3	581B0001H04	Handwheel	1		
—4	581A0010H03	Capscrew	1		
—5	111Q0940048	Washer, Spring	1		
—6	581C0001H04	Seal Cap	1		
—7	580A0275H03	Gasket, Seal Cap	1		
—8	581C0037H01	Stem	1		
—9	581C0048C01	Bonnet	1		
—10	111Q0110603	Capscrew	6		
—11	581A0024H01	Packing Nut	1		
—12	959A0055H06	Packing Ring, Split	2		
—13	959A0056H06	Packing Ring, Center	8		
—14	581A0023H01	Seal, Backseat	1		
—15	959A0022H07	Gasket, Bonnet (original)	1		
	980A0014H67	O-ring, Bonnet (current)	1		
—16	581C0049C01	Button	1		
—17	581A0040H01	Button Seal	1		
—18	580A0096H01	Retainer Ring	1		
—19	901A0043B03	Capscrew	3		
—20	111Q0940012	Lockwasher	4		
—21	581A0016H01	Retaining Plate	1		
—22	580A0090H02	Dowel Pin	8		
—23	580A0095H01	Spring Disk	1		
—24	959A0062H02	Gasket, Body, 150/300 PSIG	1		
—25	580B0240G04	Assembly, Sliding Button	1		
—26	580C0252C02	Sliding Button	1		
—27	111Q0452527	O-ring	1		
—28	580B0242G01	Assembly, Bearing	1		
—29	580A0235H01	Liner, TFE	1		
—30	111Q0452524	Ring, Retaining	1		
—31	111Q0940169	Washer, Flat	1		
—32	111Q0940163	Washer, Flat	1		
—33	959A0061H02	Gasket, End Cover	1		
—34	580B0246G04	Assembly, End Cover	1		
—35	580B0272H01	End Cover	1		
—36	580B0273H04	Shaft, Check Valve	1		
—37	580A0231H02	Spacer, Check Valve	1		
—38	944A0008H02	Pipe Plug	2		
—39	580A0227H01	Spring	1		
—40	580C0250H02	Strainer	1		
—41	901A0047A05	Capscrew, 150 PSIG	8		
	901A0047D05	Capscrew, 300 PSIG	8		
—42	111Q0940026	Lockwasher	8		
—43	111Q0740666	Capscrew	12		
—44	111Q0940019	Lockwasher	12		

RDB BOOSTER ROTARY SCREW COMPRESSOR UNIT
SERVICE PARTS LIST



FIG. & INDEX	ITEM NUMBER	NOMENCLATURE	QTY.	REV.	P & I REF.
16—	535D0203G01	Assembly, Multivalve, 6", 150 PSIG, R-22, SC	Ref.	C	
	535D0203G02	Assembly, Multivalve, 6", 150 PSIG, R-22, SC 110V	Ref.	C	
	535D0203G03	Assembly, Multivalve, 6", 150 PSIG, R-22, SC 220V	Ref.	C	
	535D0203G04	Assembly, Multivalve, 6", 150 PSIG, R-717, HW	Ref.	C	
	535D0203G05	Assembly, Multivalve, 6", 150 PSIG, R-717, HW 110V	Ref.	C	
	535D0203G06	Assembly, Multivalve, 6", 150 PSIG, R-717, HW 220V	Ref.	C	
—1	535C0232G11	Assembly, Valve, Handwheel	1		
—2	535C0232G03	Assembly, Valve, Seal Cap	1		
—3	581B0001H04	Handwheel	1		
—4	581A0010H03	Capscrew	1		
—5	581A0011H02	Washer, Spring	1		
—6	581C0001H04	Seal Cap	1		
—7	580A0275H03	Gasket, Seal Cap	1		
—8	581C0045H01	Stem	1		
—9	581D0033C01	Bonnet	1		
—10	111Q0110603	Capscrew	8		
—11	581A0024H01	Packing Nut	1		
—12	959A0055H01	Packing Ring, Split	2		
—13	959A0056H01	Packing Ring, Center	1		
—14	581A0023H01	Seal, Backseat	1		
—15	959A0022H08	Gasket, Bonnet (original)	1		
	980A0014H71	O-ring, Bonnet (current)	1		
—16	580C0044C01	Button	1		
—17	581A0040H02	Button Seal	1		
—18	580A0096H01	Retainer Ring	1		
—19	901A0043B03	Capscrew	4		
—20	111Q0940012	Lockwasher	4		
—21	581A0015H01	Retaining Plate	1		
—22	580A0090H02	Dowel Pin	8		
—23	580A0095H01	Spring Disk	1		
—24	959A0062H03	Gasket, Body, 150/300 PSIG	1		
—25	580B0240G04	Assembly, Sliding Button	1		
—26	580C0252C02	Sliding Button	1		
—27	111Q0452527	O-ring	1		
—28	580B0242G01	Assembly, Bearing	1		
—29	580A0235H01	Liner, TFE	2		
—30	111Q0452524	Retaining Ring	1		
—31	111Q0940169	Washer, Flat	1		
—32	111Q0940163	Washer, Flat	1		
—33	959A0061H02	Gasket, End Cover	1		
—34	580B0246G04	Assembly, End Cover	1		
—35	580B0272H01	End Cover	1		
—36	580B0273H04	Shaft, Check Valve	1		
—37	580A0231H02	Spacer, Check Valve	1		
—38	944A0008H02	Pipe Plug	2		
—39	580A0227H01	Spring	1		
—40	580C0250H02	Strainer	1		
—41	901A0047A05	Capscrew, 150 PSIG	8		
	901A0047D05	Capscrew, 300 PSIG	8		
—42	111Q0940026	Lockwasher	8		
—43	111Q0740666	Capscrew	12		
—44	111Q0940019	Lockwasher	12		

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
16—	535D0204G01	Assembly, Multivalve, 8", 150 PSIG, R-22, SC	Ref.	C	
	535D0204G02	Assembly, Multivalve, 8", 150 PSIG, R-22, SC 110V	Ref.	C	
	535D0204G03	Assembly, Multivalve, 8", 150 PSIG, R-22, SC 220V	Ref.	C	
	535D0204G04	Assembly, Multivalve, 8", 150 PSIG, R-717, HW	Ref.	C	
	535D0204G05	Assembly, Multivalve, 8", 150 PSIG, R-717, HW 110V	Ref.	C	
	535D0204G06	Assembly, Multivalve, 8", 150 PSIG, R-717, HW 220V	Ref.	C	
—1	535C0232G12	Assembly, Valve, Handwheel	1		
—2	535C0232G04	Assembly, Valve, Seal Cap	1		
—3	581B0001H05	Handwheel	1		
—4	581A0010H04	Capscrew	1		
—5	581A0011H03	Washer, Spring	1		
—6	581C0001H05	Seal Cap	1		
—7	580A0275H04	Gasket, Seal Cap	1		
—8	581C0042H01	Stem	1		
—9	581D0032C01	Bonnet	1		
—10	111Q0110603	Capscrew	8		
—11	581B0045H01	Packing Nut	1		
—12	959A0055H07	Packing Ring, Split	2		
—13	959A0056H07	Packing Ring, Center	8		
—14	581A0012H01	Seal, Backseat	1		
—15	959A0022H09	Gasket, Bonnet (original)	1		
	980A0014H80	O-Ring, Bonnet (current)	1		
—16	581C0043C01	Button	1		
—17	581A0013H03	Button Seal	1		
—18	580A0108H01	Retaining Washer	1		
—19	901A0043B03	Capscrew	5		
—20	111Q0940012	Lockwasher	5		
—21	581A0014H01	Retaining Plate	1		
—22	580A0192H01	Dowel Pin	8		
—23	580A0109H01	Disk, Spring	1		
—24	959A0062H04	Gasket, Body, 150/300 PSIG	1		
—25	580B0240G06	Assembly, Sliding Button	1		
—26	580C0251C02	Sliding Button	1		
—27	111Q0452528	O-ring	1		
—28	580B0242G01	Assembly, Bearing	1		
—29	580A0235H01	Liner, TFE	2		
—30	111Q0452524	Retaining Ring	1		
—31	111Q0940169	Washer, Flat	1		
—32	111Q0940163	Washer, Flat	1		
—33	580B0241H03	Gasket, End Cover	1		
—34	580B0246G06	Assembly, End Cover	1		
—35	580C0300H01	End Cover	1		
—36	580B0273H06	Shaft, Check Valve	1		
—37	580A0231H03	Spacer, Check Valve	1		
—38	944A0008H02	Pipe Plug	2		
—39	580A0228H01	Spring	1		
—40	580C0253H02	Strainer	1		
—41	901A0047A06	Capscrew, 150 PSIG	8		
	901A0047D06	Capscrew, 300 PSIG	8		
—42	111Q0940026	Lockwasher	8		
—43	111Q0740052	Capscrew	12		
—44	111Q0940022	Lockwasher	12		
—45	957A0003H02	Valve, Angle	2		

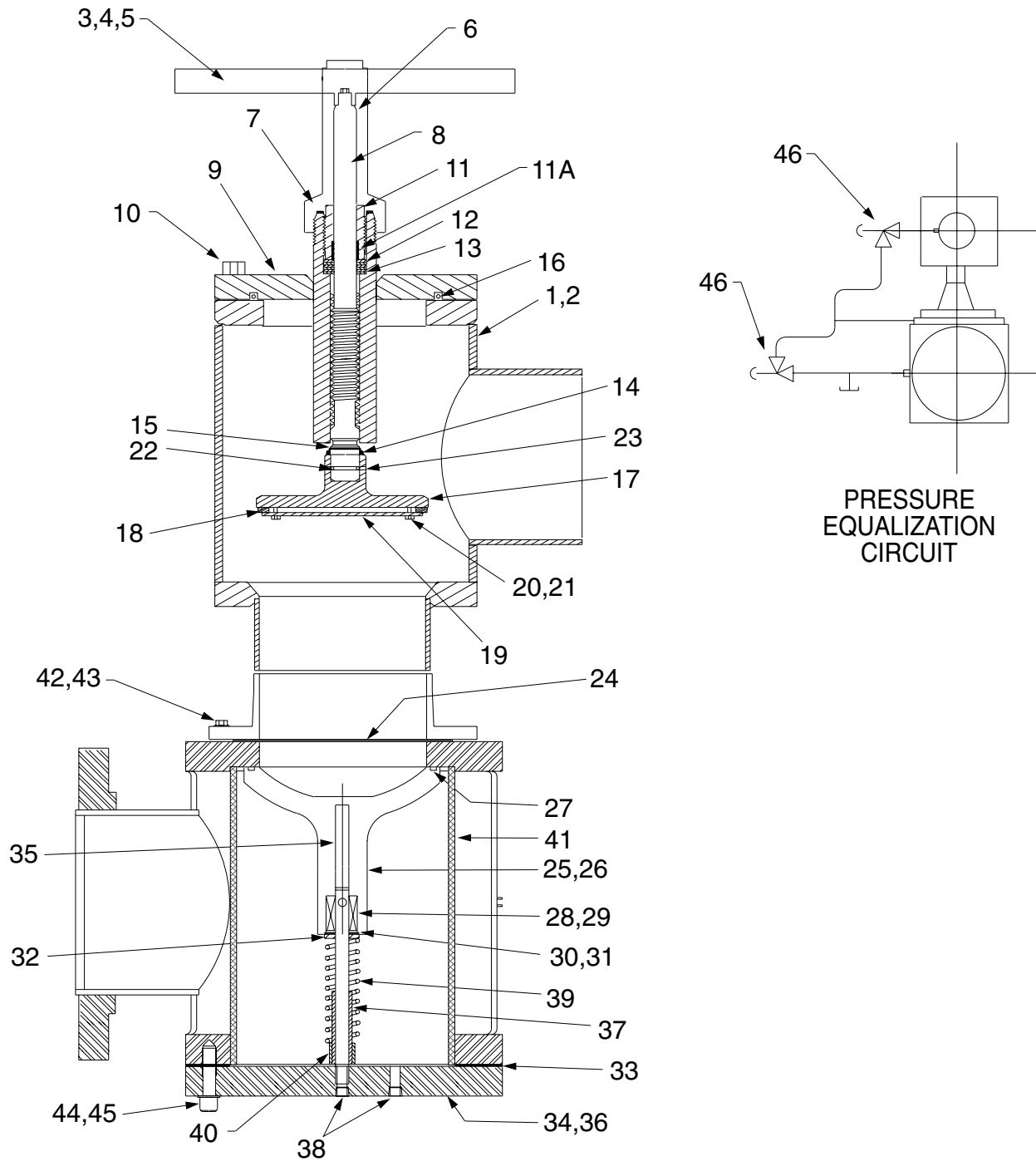
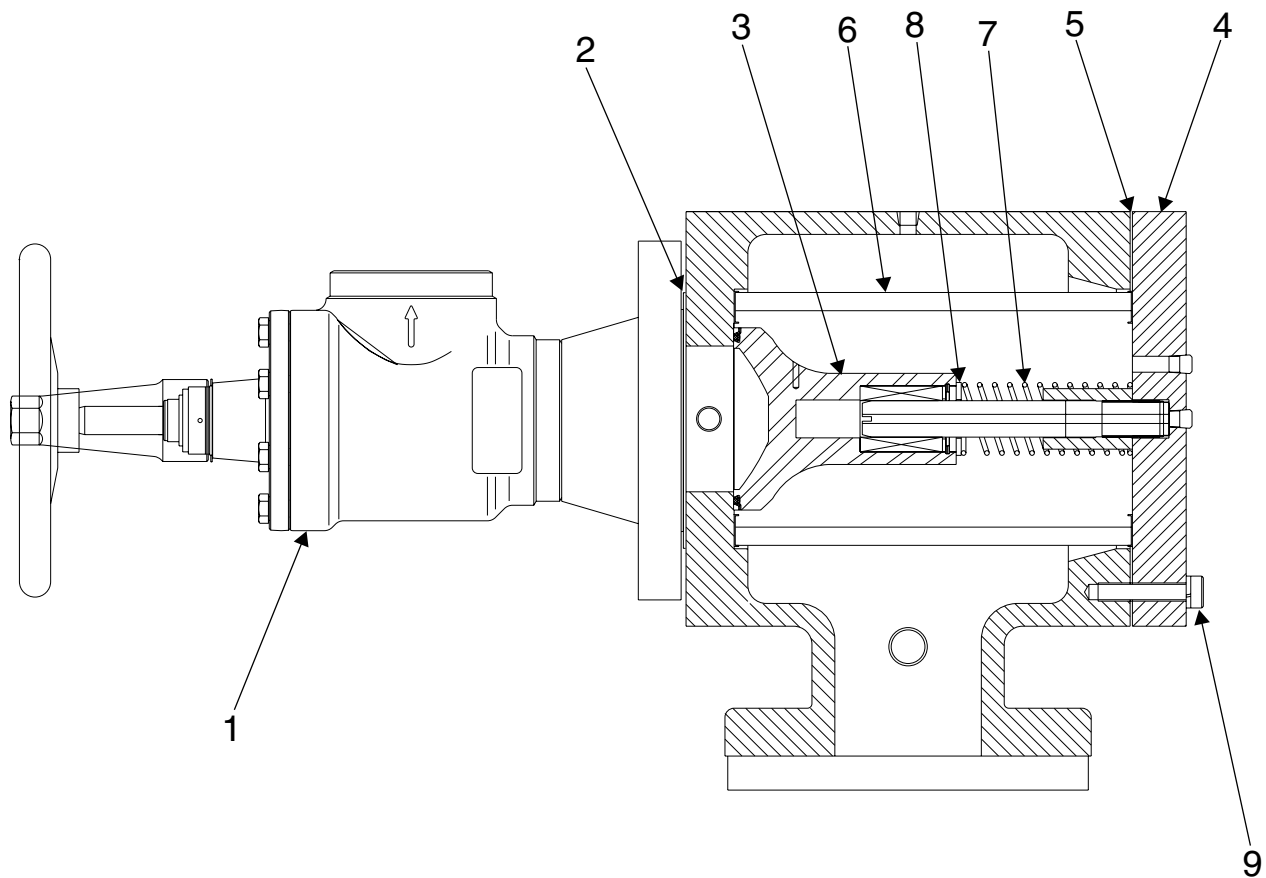


Figure 17. 10" Multivalve, Frick.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
17—	535E0080G01	Assembly, Multivalve, 10", 150 PSIG, R-22, SC	Ref.	K	
	535E0080G03	Assembly, Multivalve, 10", 150 PSIG, R-22, SC 110V	Ref.	K	
	535E0080G05	Assembly, Multivalve, 10", 150 PSIG, R-22, SC 220V	Ref.	K	
	535E0080G02	Assembly, Multivalve, 10", 150 PSIG, R-717, HW	Ref.	K	
	535E0080G04	Assembly, Multivalve, 10", 150 PSIG, R-717, HW 110V	Ref.	K	
	535E0080G06	Assembly, Multivalve, 10", 150 PSIG, R-717, HW 220V	Ref.	K	
—1	535C0232G13	Assembly, Valve, Handwheel	1		
—2	535C0232G15	Assembly, Valve, Seal Cap	1		
—3	581B0001H06	Handwheel	1		
—4	901A0045A03	Capscrew	1		
—5	581A0011H03	Washer, Spring	2		
—6	581C0050H01	Seal Cap	1		
—7	580A0275H05	Gasket, Seal Cap	1		
—8	581B0009H01	Stem	1		
—9	581C0074G01	Bonnet	1		
—10	901A0046A05	Capscrew	12		
—11	581B0066H01	Packing Nut	1		
—11A	581A0042H01	Packing Nut Bushing	1		
—12	581A0046H01	Ring, Bushing End	2		
—13	959A0076H01	Ring, Center Packing	1		
—14	581A0020H01	Seal, Backseat	1		
—15	581A0044H01	Ring, Retaining	1		
—16	581A0007H01	Gasket, Bonnet (original)	1		
	980A0014K29	O-ring, Bonnet (current)	1		
—17	581C0072G01	Button	1		
—18	581A0040H04	Button Seal	1		
—19	581A0017H01	Retaining Plate	1		
—20	111Q0110535	Capscrew	6		
—21	111Q0940012	Lockwasher	6		
—22	581A0001H04	Ball Bearing	16		
—23	581B0003H06	Retaining Clip	1		
—24	959A0062H05	Gasket, Body, 150/300 PSIG	1		
—25	580B0240G07	Assembly, Sliding Button	1		
—26	580C0262C01	Sliding Button	1		
—27	980A0014H80	O-ring	1		
—28	580B0243G01	Assembly, Bearing	1		
—29	580A0235H03	Liner, TFE	2		
—30	111Q0452525	Retaining Ring	1		
—31	111Q0940170	Washer, Flat	1		
—32	111Q0940164	Washer, Flat	1		
—33	580B0241H04	Gasket, End Cover	1		
—34	580B0246G07	Assembly, End Cover	1		
—35	580B0273H07	Shaft, Check Valve	1		
—36	580C0301H01	End Cover	1		
—37	580A0232H01	Spacer, Check Valve	1		
—38	944A0008H02	Pipe Plug	2		
—39	580A0229H01	Spring	1		
—40	580A0234H01	Spring Adjuster	1		
—41	580C0268H01	Strainer	1		
—42	901A0048A06	Capscrew, 150 PSIG	12		
	901A0048D06	Capscrew, 300 PSIG	12		
—43	111Q0940028	Lockwasher	12		
—44	111Q0740822	Capscrew	16		
—45	111Q0940028	Lockwasher	16		
—46	957A0003H02	Valve, Angle	2		



**NOTE: THIS FIGURE SHOWS SUCTION TRAP ASSEMBLY FOR MULTIVALVES WITH GRAM STOP VALVES.
FOR PARTS TO GRAM STOP VALVE, SEE FIGURES 21 & 22, GRAM STOP/CHECK VALVE.**

Figure 18. 4 — 8" Multivalve, Gram & Danfoss (Current).

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
18—	582D0025	Assembly, Multivalve, 4", 150 PSI	Ref.	—	
	582D0026	Assembly, Multivalve, 5", 150 PSI	Ref.	—	
	582D0027	Assembly, Multivalve, 6", 150 PSI	Ref.	—	
	582D0028	Assembly, Multivalve, 8", 150 PSI	Ref.	—	
	582D0029	Assembly, Multivalve, 4", 300 PSI	Ref.	—	
	582D0030	Assembly, Multivalve, 5", 300 PSI	Ref.	—	
	582D0031	Assembly, Multivalve, 6", 300 PSI	Ref.	—	
	582D0032	Assembly, Multivalve, 8", 300 PSI	Ref.	—	
—1	950A0240H09	Valve, Angle, 4"	1		
	950A0240H10	Valve, Angle, 5"	1		
	950A0240H11	Valve, Angle, 6"	1		
	950A0240H12	Valve, Angle, 8"	1		
	950A0240H26	Spare Parts Kit, Complete*, 4"	1		
	950A0240H27	Spare Parts Kit, Complete*, 5"	1		
	950A0240H28	Spare Parts Kit, Complete*, 6"	1		
	950A0240H29	Spare Parts Kit, Complete*, 8"	1		
	950A0240H34	Packing Gland Spare Parts Kit, 4"	1		
	950A0240H35	Packing Gland Spare Parts Kit, 5" & 6"	1		
	950A0240H36	Packing Gland Spare Parts Kit, 8"	1		
	950A0240H46	Cone Spare Parts Kit, 4"	1		
	950A0240H47	Cone Spare Parts Kit, 5"	1		
	950A0240H48	Cone Spare Parts Kit, 6"	1		
	950A0240H49	Cone Spare Parts Kit, 8"	1		
	950A0240H55	Handwheel Spare Parts Kit, 4"	1		
	950A0240H56	Handwheel Spare Parts Kit, 5" & 6"	1		
	950A0240H57	Handwheel Spare Parts Kit, 8"	1		
—2	959A0062H01	Gasket, Multivalve, 4", 150 PSI	1		
	959A0062H02	Gasket, Multivalve, 5", 150 PSI	1		
	959A0062H03	Gasket, Multivalve, 6", 150 PSI	1		
	959A0062H04	Gasket, Multivalve, 8", 150 PSI	1		
	959A0062H21	Gasket, Multivalve, 4", 300 PSI	1		
	959A0062H22	Gasket, Multivalve, 5", 300 PSI	1		
	959A0062H23	Gasket, Multivalve, 6", 300 PSI	1		
	959A0062H24	Gasket, Multivalve, 8", 300 PSI	1		
—3	580B0240G02	Assembly, Sliding Button, 4"	1		
	580B0240G04	Assembly, Sliding Button, 5" & 6"	1		
	580B0240G06	Assembly, Sliding Button, 8"	1		
—4	580B0246G02	Assembly, End Cover, 4"	1		
	580B0246G04	Assembly, End Cover, 5"	1		
	580B0246G04	Assembly, End Cover, 5" & 6"	1		
	580B0246G06	Assembly, End Cover, 8"	1		
—5	959A0061H01	Gasket, End Cover, 4"	1		
	959A0061H02	Gasket, End Cover, 5" & 6"	1		
	959A0061H03	Gasket, End Cover, 8"	1		
—6	580C0255H02	Strainer, Double Screen, 4"	1		
	580C0250H02	Strainer, Double Screen, 5" & 6"	1		
	580C0253H02	Strainer, Double Screen, 8"	1		
—7	580A0226H01	Spring, Return, 4"	1		
	580A0227H01	Spring, Return, 5" & 6"	1		
	580A0228H01	Spring, Return, 8"	1		
—8	111Q0940163	Washer	1		
—9	111Q0740666	Capscrew, Socket Head, 1/2 NC x 2-1/2", 4" — 6"	12		
	111Q0740052	Capscrew, Socket Head, 5/8 NC x 2-1/2", 8"	12		
	111Q0940019	Washer, Lock, 1/2"	12		
	111Q0940022	Washer, Lock, 5/8"	12		

* Complete Spare Parts Kit consists of cone & seal, packing gland, set screw, steel balls, o-ring, cap gasket, soft back seat.

Note- Hardware connecting Angle Valve and Suction Trap: 4" & 5" - 901A0047D06 3/4 x 2-1/4"; 6" - 901A0047D07 3/4 x 2-1/2"; 8" - 901A0048D08 7/8 x 2-3/4".

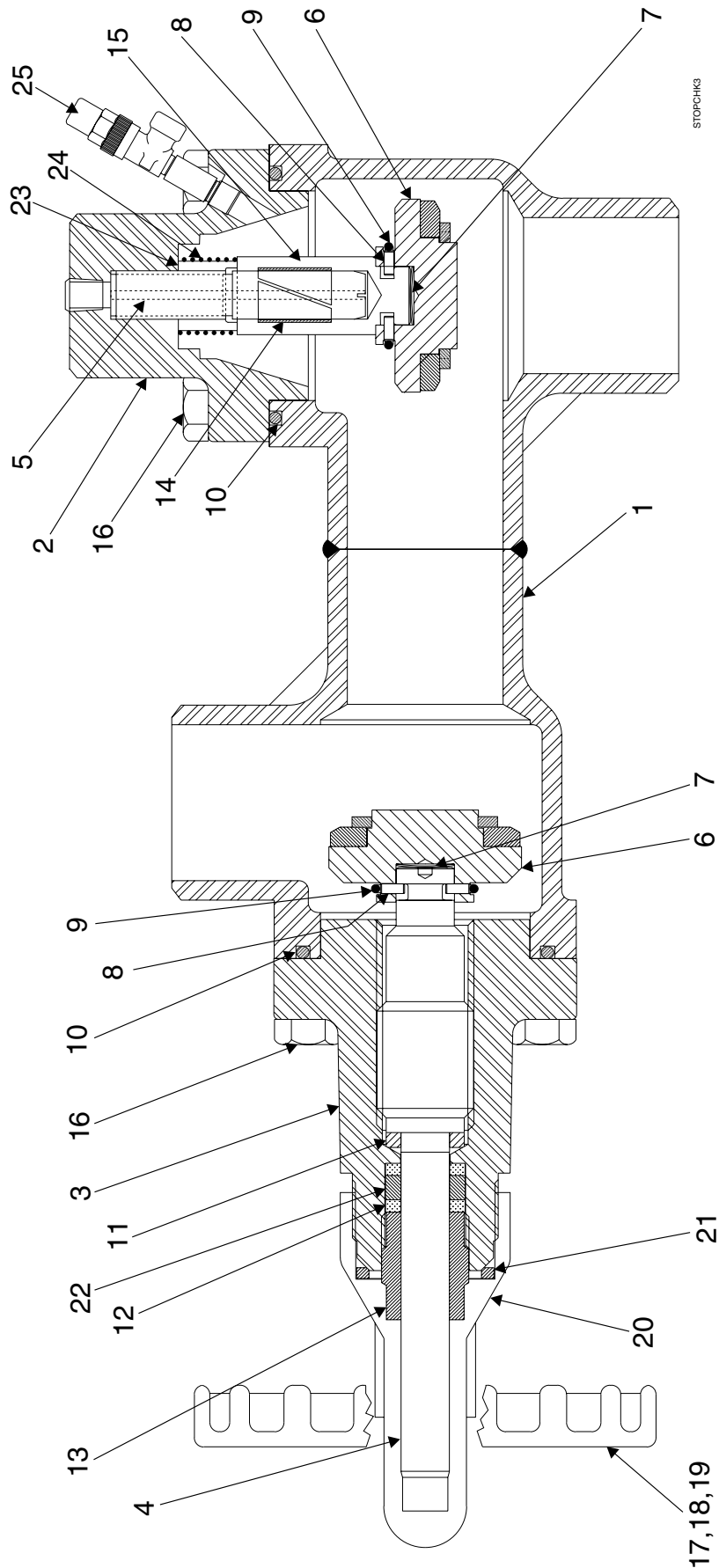


Figure 19. 4" Discharge Stop/Check Valve (Frick).

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
19—	581C0109G01	4" Discharge Stop/Check Valve, R-717 (Frick)	Ref.	B	
	581C0109G02	4" Discharge Stop/Check Valve, R-22 (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 FPT x 1/4 MPT	1		

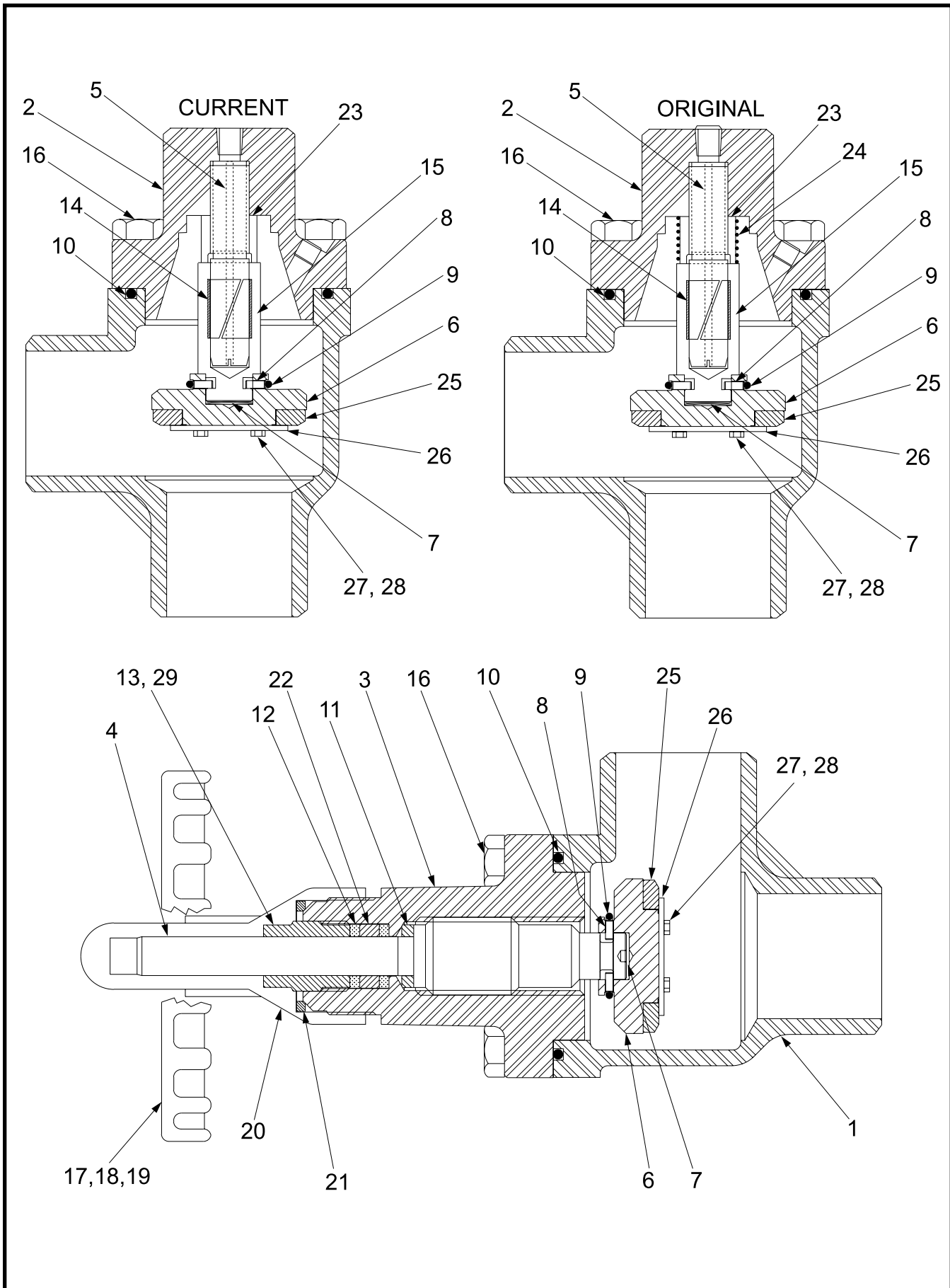


Figure 20. 5 — 8" Discharge Stop/Check Valve (Frick).

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
20—	581C0062G01	5" Discharge Stop/Check Valve, High Stage, R-717 (Frick)	Ref.	D	
	581C0062G02	5" Discharge Stop/Check Valve, High Stage, R-22 (Frick)	Ref.	D	
	581C0145G01	5" Discharge Stop/Check Valve, Booster, R-717 (Frick)	Ref.	—	
	581C0145G02	5" Discharge Stop/Check Valve, Booster, R-22 (Frick)	Ref.	—	
—1	581C0110G03	Body, Valve, 5"	1		
—2	581C0063C01	Bonnet, Check Valve	1		
—3	581C0048C01	Bonnet, Stop Valve	1		
—4	581C0037H01	Stem, Stop Valve	1		
—5	581B0100H03	Shaft, Sliding Button	1		
—6	581C0144C01	Button	2		
—7	580A0095H01	Spring	2		
—8	580A0090H02	Pin, Button	16		
—9	580A0096H01	Ring, Retaining	2		
—10	980A0014H67	O-ring, Bonnet	2		
—11	581A0023H01	Seal, Backseat	1		
—12	959A0055H06	Ring, Packing, Split	2		
—13	581A0024H01	Nut, Packing	1		
—14	581A0027H01	Ring, Packing, Split	1		
—15	581B0082H01	Guide Bushing, Sliding Button	1		
—16	901A0046A03	Capscrew, Hex Head	12		
—17	581B0001H04	Handwheel	1		
—18	581A0011H07	Washer, Spring	1		
—19	581A0010H03	Capscrew, Hex Head	1		
—20	581C0001H04	Seal Cap	1		
—21	580A0275H03	Gasket, Seal Cap	1		
—22	959A0056H06	Ring, Packing Center	1		
—23	580A0219H01	Spacer, Check Valve	1		
—24	580A0218H01	Spring, Return, High Stage Application	1		
—25	581A0040H01	Seal, Button	2		
—26	581A0016H01	Plate, Retaining	2		
—27	901A0043E03	Capscrew, Hex Head	6		
—28	111Q0940012	Lockwasher	6		
—29	580A0183H06	Washer, Packing	1		
—30	957A0003H01	Valve, Angle, SC, 1/4 FPT x 1/4 MPT	1		
—31	581B0086H01	Ring, Seal, PTFE	1		

RDB BOOSTER ROTARY SCREW COMPRESSOR UNIT
SERVICE PARTS LIST



FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
20—	581C0053G01	6" Discharge Stop/Check Valve, High Stage, R-717 (Frick)	Ref.	C	
	581C0053G02	6" Discharge Stop/Check Valve, High Stage, R-22 (Frick)	Ref.	C	
	581C0143G01	6" Discharge Stop/Check Valve, Booster, R-717 (Frick)	Ref.	—	
	581C0143G02	6" Discharge Stop/Check Valve, Booster, R-717 (Frick)	Ref.	—	
—1	581C0110G04	Body, Valve, 6"	1		
—2	581D0045C01	Bonnet, Check Valve	1		
—3	581D0033C01	Bonnet, Stop Valve	1		
—4	581C0045H01	Stem, Stop Valve	1		
—5	581B0100H02	Shaft, Sliding Button	1		
—6	581C0142C01	Button	2		
—7	580A0095H01	Spring	2		
—8	580A0090H02	Pin, Button	16		
—9	580A0096H01	Ring, Retaining	2		
—10	980A0014H71	O-ring, Bonnet	2		
—11	581A0023H01	Seal, Backseat	1		
—12	959A0055H06	Ring, Packing, Split	2		
—13	581A0024H01	Nut, Packing	1		
—14	581A0027H01	Ring, Packing, Split	1		
—15	581B0081H01	Guide Bushing, Sliding Button	1		
—16	901A0046A03	Capscrew, Hex Head	16		
—17	581B0001H04	Handwheel	1		
—18	581A0011H07	Washer, Spring	1		
—19	581A0010H03	Capscrew, Hex Head	1		
—20	581C0001H04	Seal Cap	1		
—21	580A0275H03	Gasket, Seal Cap	1		
—22	959A0056H06	Ring, Packing, Center	1		
—23	580A0219H01	Spacer, Check Valve	1		
—24	580A0218H01	Spring, Return, High Stage Application	1		
—25	581A0040H02	Seal, Button	2		
—26	581A0015H01	Plate, Retaining	2		
—27	901A0043E03	Capscrew, Hex Head	8		
—28	111Q0940012	Lockwasher	8		
—29	580A0183H06	Washer, Packing	1		
—30	957A0003H01	Valve, Angle, SC, 1/4 FPT x 1/4 MPT	1		
—31	581B0086H01	Ring, Seal, PTFE	1		

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
20—	581C0065G01	8" Discharge Stop/Check Valve, High Stage, R-717 (Frick)	Ref.	D	
	581C0065G02	8" Discharge Stop/Check Valve, High Stage, R-22 (Frick)	Ref.	D	
	581C0141G01	8" Discharge Stop/Check Valve, Booster, R-717 (Frick)	Ref.	—	
	581C0141G02	8" Discharge Stop/Check Valve, Booster, R-22 (Frick)	Ref.	—	
—1	581C0110G05	Body, Valve, 8"	1		
—2	581D0047C01	Bonnet, Check Valve	1		
—3	581D0032C01	Bonnet, Stop Valve	1		
—4	581C0042H01	Stem, Stop Valve	1		
—5	581B0100H01	Shaft, Sliding Button	1		
—6	581C0139C01	Button	2		
—7	580A0109H01	Spring	2		
—8	580A0192H01	Pin, Button	16		
—9	580A0108H01	Ring, Retaining	2		
—10	980A0014H80	O-ring, Bonnet	2		
—11	581A0012H01	Seal, Backseat	1		
—12	959A0055H07	Ring, Packing, Split	2		
—13	581B0045H01	Nut, Packing	1		
—14	581A0027H02	Ring, Packing, Split	1		
—15	581B0080H01	Guide Bushing, Sliding Button	1		
—16	901A0046D03	Capscrew, Hex Head	16		
—17	581B0001H05	Handwheel	1		
—18	581A0011H03	Washer, Spring	1		
—19	581A0010H04	Capscrew, Hex Head	1		
—20	581C0001H05	Seal Cap	1		
—21	580A0275H04	Gasket, Seal Cap	1		
—22	959A0056H07	Ring, Packing, Center	1		
—23	580A0219H04	Spacer, Check Valve	1		
—24	111Q0019539	Spring, Return, High Stage Application	1		
—25	581A0040H03	Button, Seal	2		
—26	581A0014H01	Plate, Retaining	2		
—27	901A0043E03	Capscrew, Hex Head	10		
—28	111Q0940012	Lockwasher	10		
—29	580A0183H07	Washer, Packing	1		
—30	957A0003H01	Valve, Angle, SC, 1/4 FPT x 1/4 MPT	1		
—31	581B0086H02	Ring, Seal, PTFE	1		

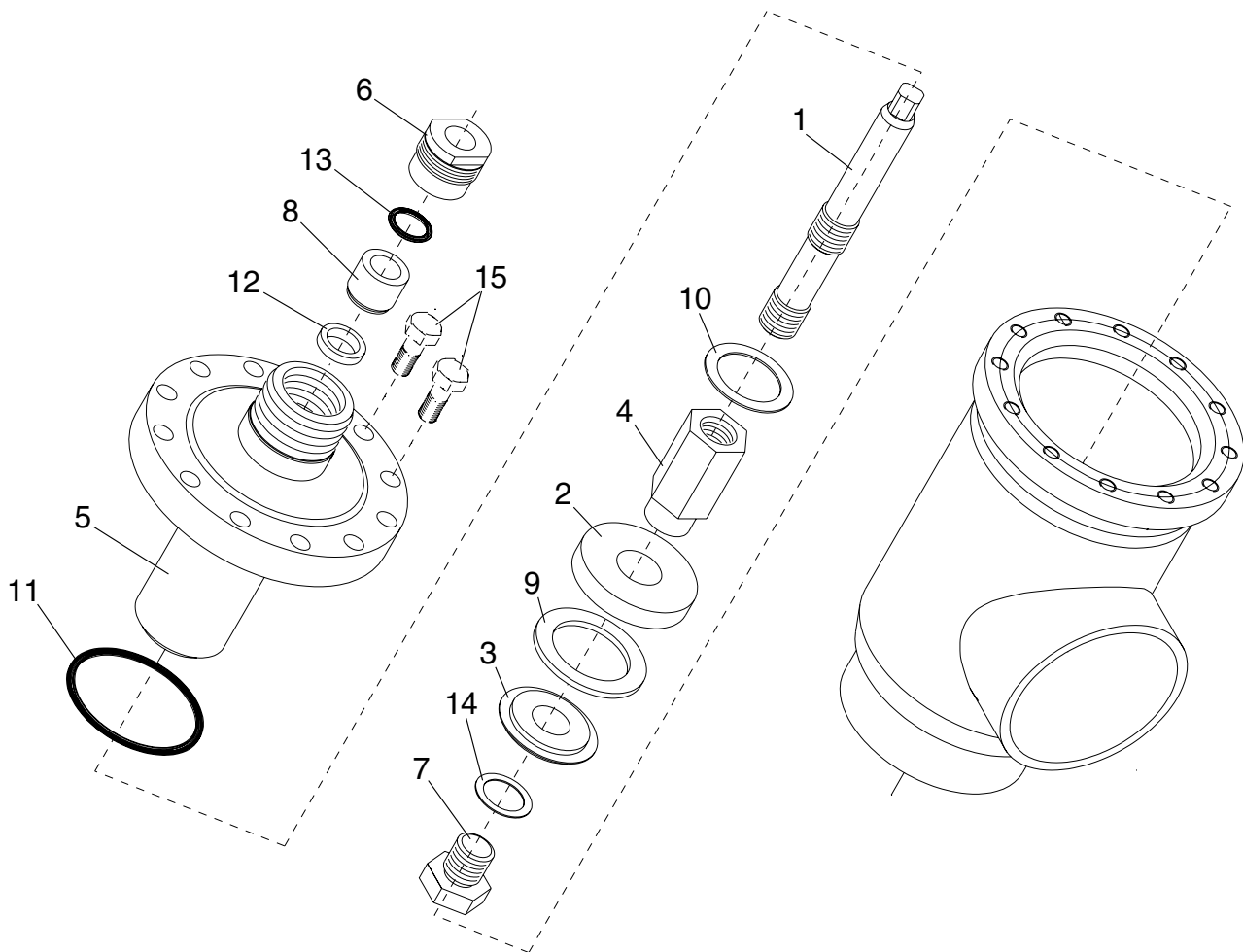
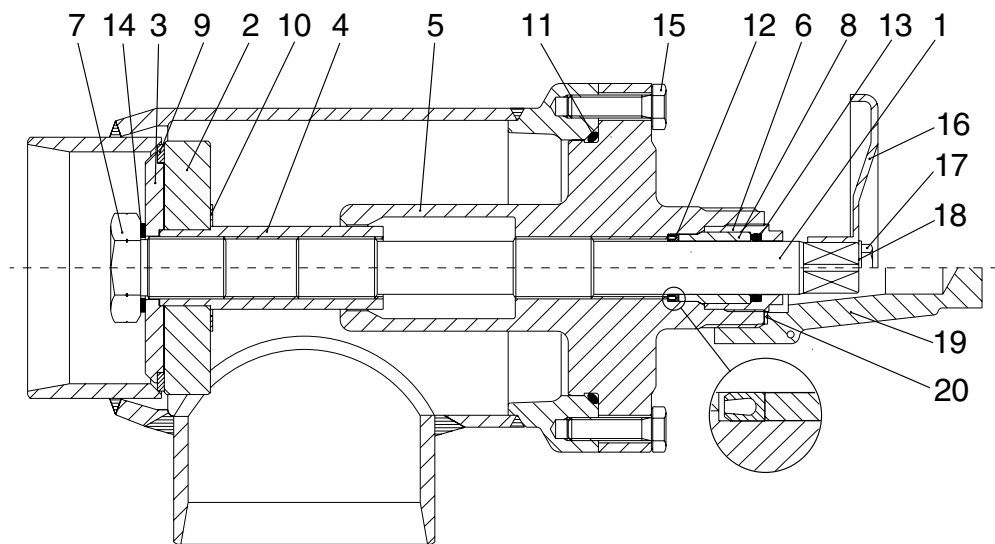


Figure 21. 4 — 6" Discharge Stop Valve (Gram).

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
21—	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)	1	C	
	950A0139G02	4" Stop Valve, SC (Gram)	1	C	
—1	724003177GR	Spindle, 4"	1		
—2	724003287GR	Cone, 4"	1		
—3	724003237GR	Plate, 4"	1		
—4	724003262GR	Guide, 4"	1		
—5	724001062GR	Cover, Top, 4"	1		
—6	724003462GR	Screw, Packing, 4"	1		
—7	724003212GR	Screw, 4"	1		
—8	724003487GR	Bushing, 4"	1		
—9	724003312GR	Seat, 4"	1		
—10	724003337GR	Seal, 4"	1		
—11	550840194GR	O-ring, 4"	1		
—12	550940238GR	U-sleeve, 4"	1		
—13	550845213GR	O-ring, 4"	1		
—14	550657046GR	Washer, 34 x 27 x 2, 4"	1		
—15	420098167GR	Screw, Allen Head, SS, M10 x 35, 4"	12		
—16	480012300GR	Handwheel, 4"	1		
—17	420092202GR	Screw, M12 x 25, 4"	1		
—18	421642107GR	Washer, M12, 4"	1		
—19	724003614GR	Cap, 4"	1		
—20	724003664GR	Seal, 4"	1		
Note: For Check Valve parts see Figure 20.					

RDB BOOSTER ROTARY SCREW COMPRESSOR UNIT
SERVICE PARTS LIST



FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
21—	581C0155G01	5" Discharge Stop/Check Valve, R-22 (Gram/Frick)	Ref.	A	
	581C0155G02	5" Discharge Stop/Check Valve, R-717 (Gram/Frick)	Ref.	A	
	950A0141G01	5" Stop Valve, R-22 (Gram)	1	B	
	950A0141G02	5" Stop Valve, R-717 (Gram)	1	B	
—1	724003183GR	Spindle	1		
—2	724003289GR	Cone	1		
—3	724003239GR	Plate	1		
—4	724003266GR	Guide	1		
—5	724001063GR	Cover, Top	1		
—6	724003466GR	Screw, Packing	1		
—7	724003216GR	Screw	1		
—8	724003491GR	Bushing	1		
—9	724003314GR	Seat	1		
—10	724003341GR	Seal	1		
—11	550845354GR	O-ring	1		
—12	550940245GR	U-sleeve	1		
—13	550845217GR	O-ring	1		
—14	550657051GR	Washer, 44 x 32 x 2	1		
—15	420095244GR	Screw, Allen Head, SS, M16 x 45	10		
—16	480012400GR	Handwheel	1		
—17	420092241GR	Screw, M16 x 30	1		
—18	421642109GR	Washer	1		
—19	724003616GR	Cap	1		
—20	724003666GR	Seal	1		
Note: For Check Valve parts see Figure 20.					

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
21—	581C0156G01	6" Discharge Stop/Check Valve, R-22 (Gram/Frick)	Ref.	A	
	581C0156G02	6" Discharge Stop/Check Valve, R-717 (Gram/Frick)	Ref.	A	
	950A0143G01	6" Stop Valve, R-22 (Gram)	1	C	
	950A0143G02	6" Stop Valve, R-717 (Gram)	1	C	
—1	724003183GR	Spindle	1		
—2	724003291GR	Cone	1		
—3	724003241GR	Plate	1		
—4	724003266GR	Guide	1		
—5	724001064GR	Cover, Top	1		
—6	724003466GR	Screw, Packing	1		
—7	724003216GR	Screw	1		
—8	724003491GR	Bushing	1		
—9	724003316GR	Seat	1		
—10	724003341GR	Seal	1		
—11	550840252GR	O-ring	1		
—12	550940245GR	U-sleeve	1		
—13	550845217GR	O-ring	1		
—14	550657051GR	Washer, 44 x 32 x 2	1		
—15	420048382GR	Screw, Allen Head, SS, M16 x 55	12		
—16	480012400GR	Handwheel	1		
—17	420092241GR	Screw, M16 x 30	1		
—18	421642109GR	Washer	1		
—19	724003616GR	Cap	1		
—20	724003666GR	Seal	1		
Note: For Check Valve parts see Figure 20.					

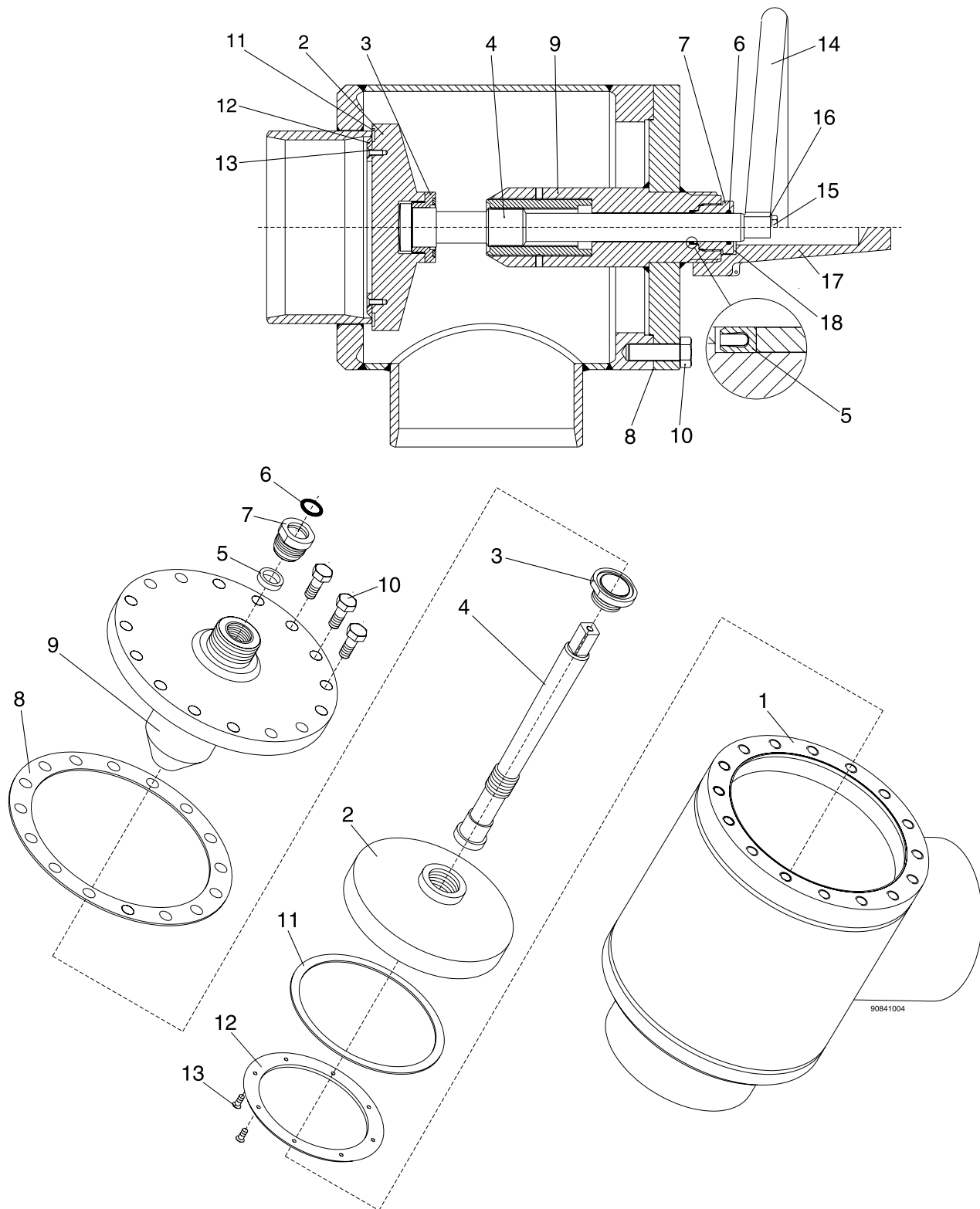


Figure 22. 8 & 10" Discharge Stop Valve (Gram/Frick).

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
22—	581C0157G01	8" Discharge Stop/Check Valve, R-22 (Gram/Frick)	Ref.	A	
	581C0157G02	8" Discharge Stop/Check Valve, R-717 (Gram/Frick)	Ref.	A	
	950A0145G01	8" Stop Valve, R-22 (Gram)	1	D	
	950A0145G02	8" Stop Valve, R-717 (Gram)	1	D	
—1	NA	Body, Stop Valve	Ref.		
—2	724000641GR	Cone, 8"	1		
—3	724000374GR	Nut, 8"	1		
—4	724000599GR	Spindle, 8"	1		
—5	550940247GR	U-Sleeve, 8"	1		
—6	550840109GR	O-Ring, 8"	1		
—7	724000552GR	Screw, Packing, 8"	1		
—8	724000375GR	Gasket, 8"	1		
—9	724000550GR	Cover, 8"	1		
—10	420098283GR	Screw, Allen Head, SS, M20 x 60	A/R		
—11	724000620GR	Seat, 8"	1		
—12	724000642GR	Plate, 8"	1		
—13	420801048GR	Screw, Allen Head, M6 x 16	A/R		
—14	480012400GR	Handwheel, 8"	1		
—15	420092241GR	Screw, M16 x 30	1		
—16	421642109GR	Disk	1		
—17	724003618GR	Cap	1		
—18	724003668GR	Seal	1		
Note: For 8" Check Valve parts see Figure 20. Not Shown: 581C0165G01, 8" Discharge Stop/Check Valve, with 82413535809 Gram Angle Valve HW. 581C0165G02, 8" Discharge Stop/Check Valve, with 82413536809 Gram Angle Valve SC.					

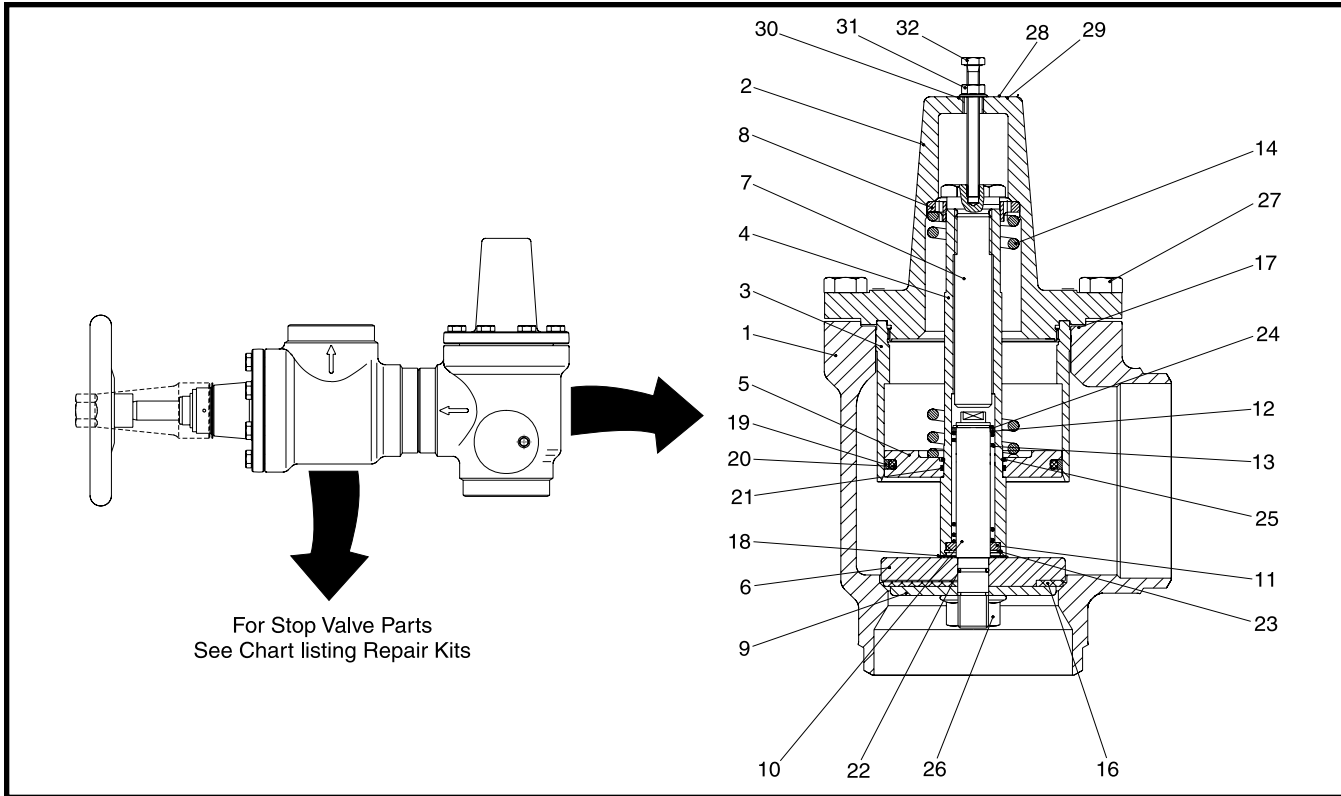


Figure 23. Discharge Stop/Check Valve, Current (Danfoss).

Figure 23. DISCHARGE STOP-CHECK VALVE ASSEMBLY				
ASSEMBLY	APPLICATION	SIZE	STOP VALVE	CHECK VALVE
582C0030G03	BOOSTER HW	4	950A0240H09	956A0045H02
582C0030G04	BOOSTER SC	4	950A0241H09	956A0045H02
582C0031G03	BOOSTER HW	5	950A0240H10	956A0046H02
582C0031G04	BOOSTER SC	5	950A0241H10	956A0046H02
582C0032G03	BOOSTER HW	6	950A0240H11	956A0047H02
582C0032G04	BOOSTER SC	6	950A0241H11	956A0047H02
582C0033G03	BOOSTER HW	8	950A0240H12	956A0048H02
582C0033G04	BOOSTER SC	8	950A0241H12	956A0048H02

Fig. 23. 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⁾
950A0240H09	BW - HW	4	950A0240H26	950A0240H34	950A0240H46	950A0240H55	N/A
950A0240H10	BW - HW	5	950A0240H27	950A0240H35	950A0240H47	950A0240H56	N/A
950A0240H11	BW - HW	6	950A0240H28	950A0240H35	950A0240H48	950A0240H56	N/A
950A0240H12	BW - HW	8	950A0240H29	650A0240H36	950A0240H49	950A0240H57	N/A
950A0241H09	BW - SC	4	950A0240H26	950A0240H34	950A0240H46	950A0241H63	950A0241H56
950A0241H10	BW - SC	5	950A0240H27	950A0240H35	950A0240H47	950A0241H64	950A0241H57
950A0241H11	BW - SC	6	950A0240H28	950A0240H35	950A0240H48	950A0241H64	950A0241H58
950A0241H12	BW - SC	8	950A0240H29	650A0240H36	950A0240H49	950A0241H65	950A0241H59

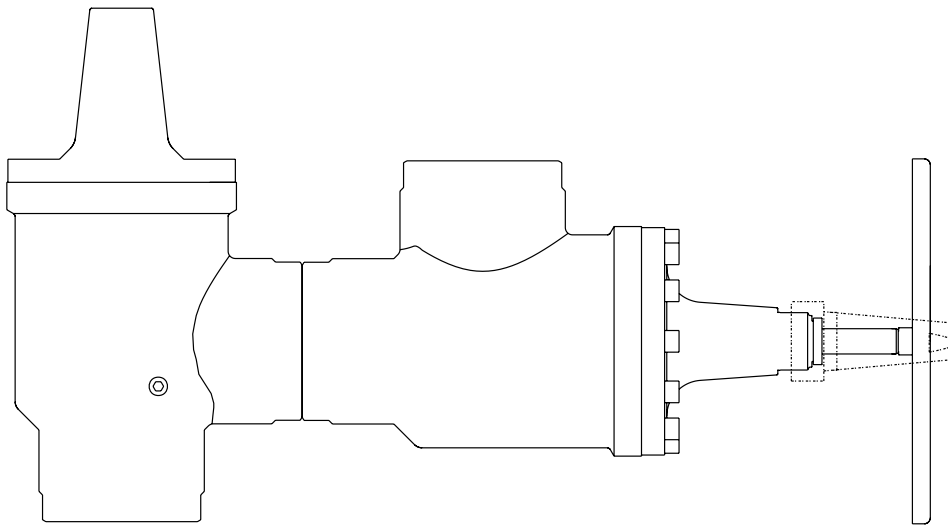
1. Consists of Cone, Setscrew, Steel Balls, O-ring, Cap Gasket, Soft Backseat.
2. Consists of Packing Gland and Washer, O-rings, Wear Ring, U-sleeves (where applicable).
3. Consists of Cone, Setscrew, Steel Balls, O-ring.
4. Consists of Handwheel, Washer, Screw/Nut or Seal Cap and Gasket.
5. Consists of O-ring and Cap Gasket (plus Soft Backseat for 3 and 4").

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
23—	—	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 23. CHECK VALVE REPAIR KITS (See index above)

VALVE	APPLICATION	SIZE	BONNET GASKET	SEAL KIT	14.5 PSI SPRING KIT	29 PSI SPRING KIT
956A0045H01	HIGH STAGE	4	956A0045H11	956A0045H12	956A0045H13	956A0045H14
956A0045H02	BOOSTER	4	956A0045H11	956A0045H12	956A0045H13	956A0045H14
956A0046H01	HIGH STAGE	5	956A0046H11	956A0046H12	956A0046H13	956A0046H14
956A0046H02	BOOSTER	5	956A0046H11	956A0046H12	956A0046H13	956A0046H14
956A0047H01	HIGH STAGE	6	956A0047H11	956A0047H12	956A0047H13	956A0047H14
956A0047H02	BOOSTER	6	956A0047H11	956A0047H12	956A0047H13	956A0047H14
956A0048H01	HIGH STAGE	8	956A0048H11	956A0048H12	956A0048H13	956A0048H14
956A0048H02	BOOSTER	8	956A0048H11	956A0048H12	956A0048H13	956A0048H14



GRAM DISCHARGE STOP-CHECK VALVE ASSEMBLY				
ASSEMBLY	APPLICATION	SIZE	STOP VALVE	CHECK VALVE
581C0158G01	HIGH STAGE HW	4	82410535409	82452022400
581C0158G02	HIGH STAGE SC	4	82410536409	82452022400
581C0158G03	BOOSTER HW	4	82410535409	82452023400
581C0158G04	BOOSTER SC	4	82410536409	82452023400
581C0159G01	HIGH STAGE HW	5	82411535509	82452022500
581C0159G02	HIGH STAGE SC	5	82411536509	82452022500
581C0159G03	BOOSTER HW	5	82411535509	82452023500
581C0159G04	BOOSTER SC	5	82411536509	82452023500
581C0160G01	HIGH STAGE HW	6	82412535609	82452022600
581C0160G02	HIGH STAGE SC	6	82412536609	82452022600
581C0160G03	BOOSTER HW	6	82412535609	82452023600
581C0160G04	BOOSTER SC	6	82412536609	82452023600
581C0168G01	HIGH STAGE HW	8	82413535809	82452022800
581C0168G02	HIGH STAGE SC	8	82413536809	82452022800
581C0168G03	BOOSTER HW	8	82413535809	82452023800
581C0168G04	BOOSTER SC	8	82413536809	82452023800

Figure 24. Discharge Stop/Check Valve (Gram).

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

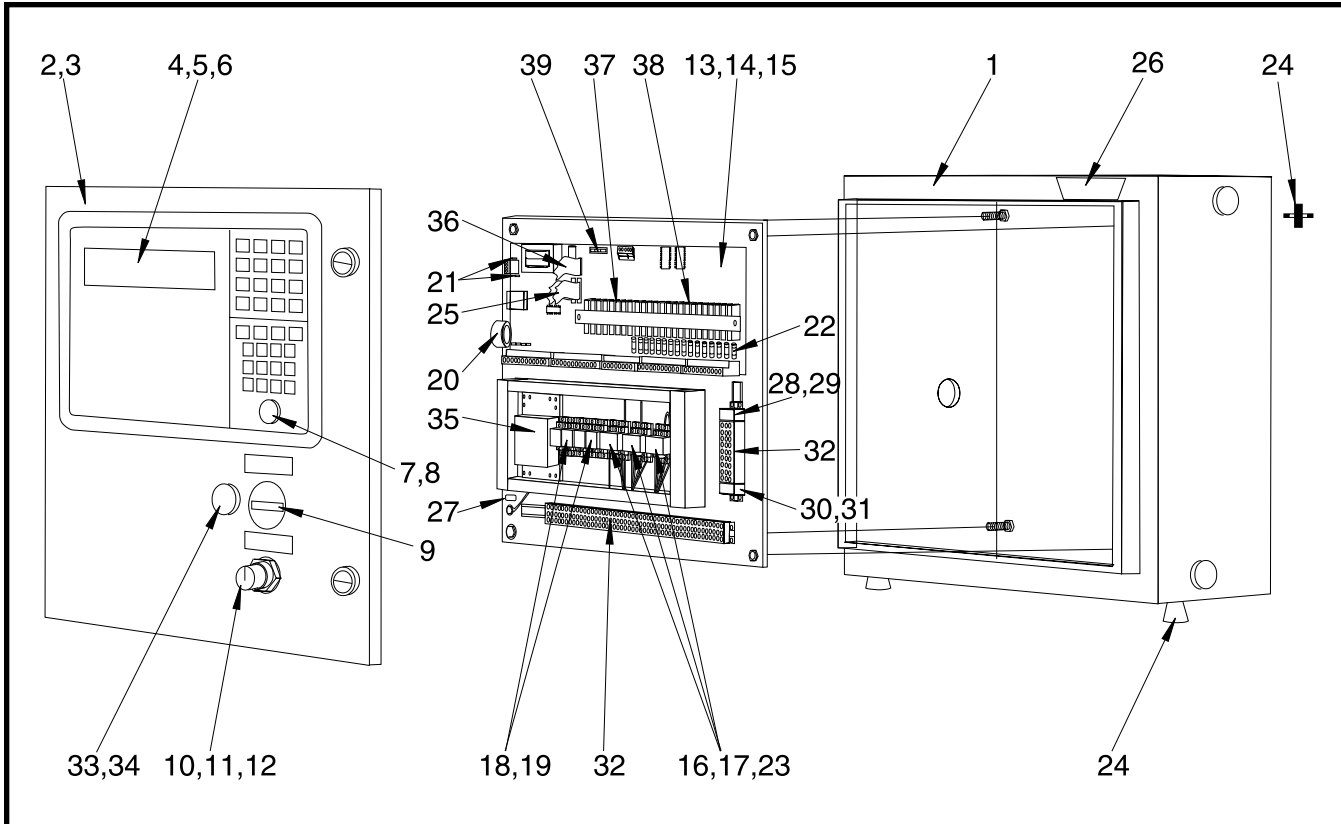


Figure 25. Microprocessor Control Center.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
25—	640D0027G01	Microprocessor Control Center	Ref.	B	
—1	640D0021H01	Enclosure, Single Box	1		
—2	640D0013H01	Cover and Keypad (a)	1		
—3	649D0979H01	Gasket, Cover	1		
—4	333Q0000068	Display (b)	1		
—5	649A0264H01	Plexiglas	1		
—6	111Q0940136	Spacer, Nylon	20		
—7	111Q0280832	Button, Emergency Stop (c)	1		
—8	111Q0280833	Block, Contact, Emergency Stop (c)	1		
—9	333Q0000261	Meter, Elapsed Time, 115V (d)	1		
	333Q0000899	Meter, Elapsed Time, 230V	1		
—10	111Q0451178	Switch, Three Position	1		
—11	111Q0451159	Block, Contact, 1 N.O.	1		
—12	111Q0451160	Block, Contact, 2 N.O.	1		
—13	333Q0000548	Board, Circuit, SBC (e)	1	D	
—14	333Q0000211	Standoff, Hex, 1/4 x 3/4-8/32	8		
—15	333Q0000212	Screw, 6/32 x 1/2"	8		
—16	333Q0000206	Relay, IDEC, 3PDT, 115V (f)	3		
	333Q0000897	Relay, IDEC, 3PDT, 230V	3		
	111Q0451152	Relay, Potter & Brumfield	3		
—17	333Q0000207	Base, Relay, IDEC (f)	3		
	111Q0452442	Base, Relay, Potter & Brumfield	3		
—18	333Q0000194	Relay, 2PDT, 115V (Optional)	1-5		
	333Q0000898	Relay, 2PDT, 230V (Optional)	1-5		
—19	333Q0000195	Base	1-5		

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
—20	111Q0281059	Ring, Toroid	1		
—21	111Q0280981	Fuse, 1.5 Amp (F-17, Not Shown)	1	B	
	111Q0281039	Fuse, 3/8 Amp (F-17, Not Shown)	1	C	
	333Q0000573	Fuse, 1.5 Amp (F-1 and F-2)	2	D	
—22	333Q0000117	Fuse, 5 Amp	16	C,D	
—23	111Q0280958	Suppressor, 600VDC, 1 MFD (Multivalve Power Assist)	3		
—24	535A0250H02	Isolator, Vibration	4		
—25	111Q0280930	Cable, Ribbon, 26 Conductors (Display)	2		
—26	111Q0450790	Inhibitor, Corrosion	1		
—27	333Q0000566	Lug, Ground	2		
—28	111Q0281053	Fuse, 15 Amp, 230V, Heater Option (g)	1-3		
—29	111Q0068849	Block, Fuse	1-3		
—30	111Q0280687	Fuse, 10 Amp	1		
—31	111Q0068849	Block, Fuse	1		
—32	333Q0001183	Block, Terminal	49		
—33	111Q0451637	Lens, Red (Optional)	1		
—34	111Q0451635	Base, Alarm Light, 115V, Optional	1		
	333Q0000934	Base, Alarm Light, 230V, Optional	1		
—35	111Q0280916	Timer, 120V, Multivalve Power Assist (Original) (h)	1		
	111Q0280973	Relay, 230V Control, Multivalve Power Assist (Original) (h)	1		
	333Q0001116	Timer, All Voltages, Multivalve Power Assist (Current) (h)	1		
	333Q0001117	Base, Timer (Current) (h)	1		
	333Q0001118	Clips for Timer/Base (Current) (h)	2		
—36	640B0019H01	Cable, Ribbon, 12 Conductors (Keypad)	1		
—37	333Q0000116	Module, Input, 115V	8	C,D	
	333Q0000789	Module, Input, 230V	8	C,D	
—38	111Q0281061	Module, Output	16	C,D	
—39	640A0020G01	Kit, 3.6V Backup Battery (Original) (j)	1	C,D	
	649A0260H01	Kit, 3.6V Backup Battery (Current and universal) (j)	1	C,D	
(a) Order Keypad, Cover and Gasket Kit 640A0009G03 if replacing old 111Q280874 cover. (b) Replace LCD display if it does not have yellow background. Not shown; 111Q0280933 Cable Ribbon, 4 Conductors - Replacement for unit using Display with backlight (IEE Model) (c) Emergency Stop Button and Contact Block should be replaced together. (d) Replaces all previous meters; no gasket required. (e) Rev. D boards replace all previous. When replacing Rev. B boards with Rev. D; order Modules 3-37 and 3-38 by Item Number and Quantities listed. Replace Display with 333Q0000068. (f) Relays 111Q0451152 (Potter & Brumfield) and 333Q0000206 (IDEC) are not interchangeable. (g) Replaces earlier 20 Amp Oil Heater Fuse. (h) Current 333Q0001116 Timer (plus base and clips) replaces original timer and relay. It has universal voltage with no need for a relay. (j) If battery has a plastic socket, or has pins to plug into a three-legged battery, use either kit. If battery is soldered or has a red and a black wire, use 649A0260H01. 649A0260H01 is a universal kit for all situations. Retrofit Note: If package uses RWBII Plus micro, both Power Assist Kit (535M0146) and Power Assist Wiring Kit (640M0007G17) will be required. Kits 535M0146G01—535M0146G04 are for field installation. (ECN 7162)					

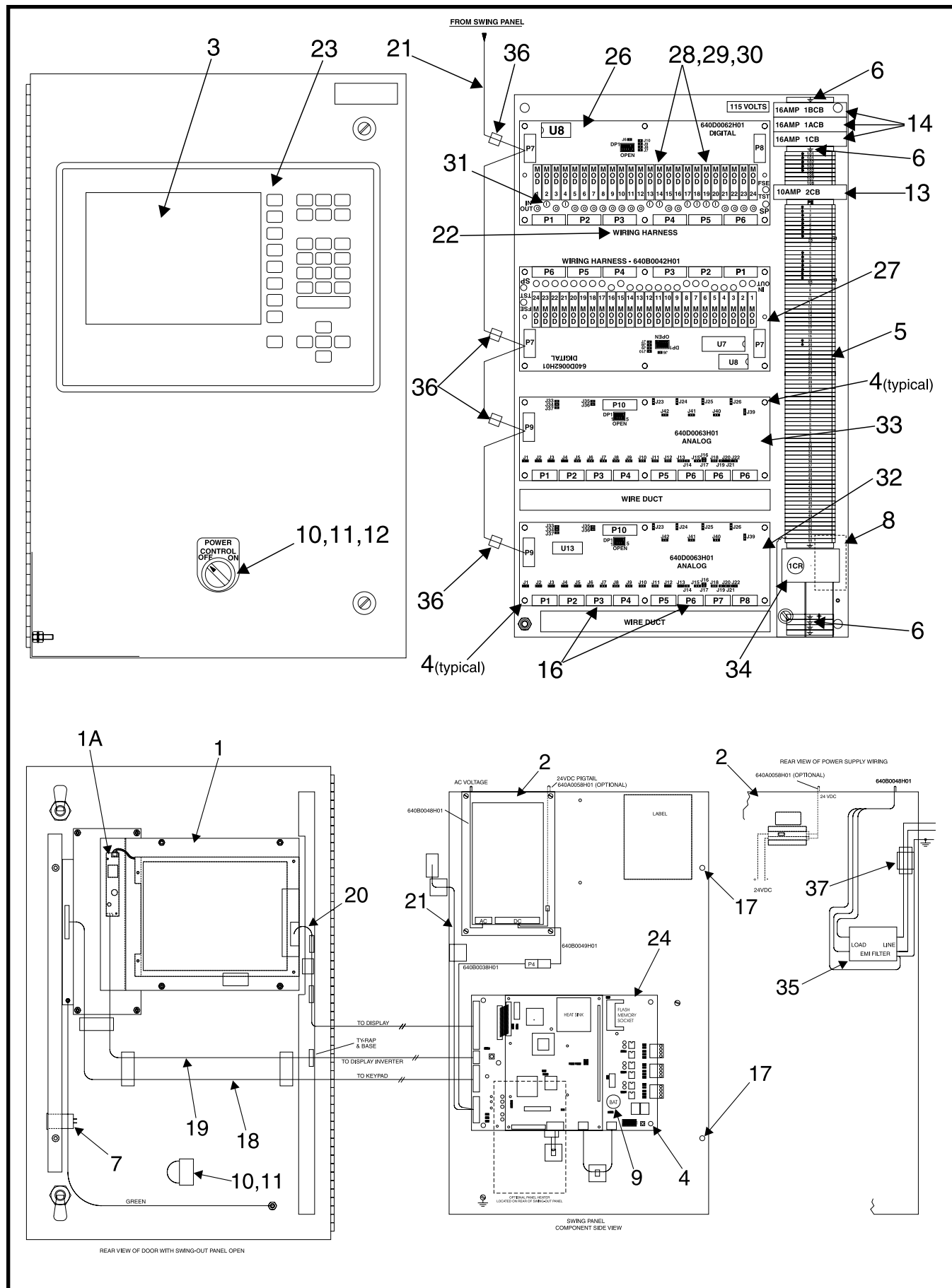


Figure 26. Quantum™ Control Panel, Typical.

FIG. & INDEX	ITEM NUMBER	DESCRIPTION	QTY.	REV.	P & I REF.
26—	640D0093G01	Quantum™ Control Panel Assembly, 115V	Ref.	G	
	640D0093G31	Quantum™ Control Panel Assembly, 230V	Ref.		
—1	640C0052G01	Assbly, VGA Display, Phillips (for Quantum™ III & IV Boards)	1		
	640C0021G01	Assbly, VGA Display, Sharp (for Quantum™ I & II Boards)	1		
—1A	333Q0001582	Inverter	1		
—2	640C0022G01	Power Supply (a)	1		
	640B0050H01	Wiring Harness, Power One Power Supply	1		
	640B0049H01	Wiring Harness, Condor Power Supply	1		
—3	640A0032H01	Plexiglas, Display	1		
—4	333Q0001199	Stand-off, Circuit Board	20		
—5	333Q0001183	Block, Terminal	53		
—6	333Q0001185	Block, Terminal, Ground	8		
—7	333Q0001191	Meter, Hour	1		
—8	333Q0001192	Transformer, 2.5V	1		
—9	333Q0001786	Battery, 3V (b)	2		
—10	333Q0001194	Switch, Power	1		
—11	333Q0001195	Block, Contact, Power Switch	1		
—12	333Q0001196	Plate, ON-OFF	1		
—13	6490A883H10	Circuit Breaker, 10 Amp	1		
—14	649A0883H16	Circuit Breaker, 16 Amp	1—3		
—15	—	not used			
—16	333Q0001258	Connector, 6 Pole	8		
—17	333Q0001339	Fastener, Clip	3		
	333Q0001340	Fastener, Stud	3		
	333Q0001341	Fastener, Retainer	3		
—18	640B0031H01	Cable, Key Pad	1		
—19	640B0032H01	Cable, CCFT Backlight Inverter	1		
—20	640B0065H01	Cable, LCD Display	1		
—21	640B0038H01	Cable Harness, Power	1		
—22	640B0041H01	Cable Harness, Digital Board 1	1		
—23	640D0060H01	Cover and Keypad	1		
—24	649C1083H01	Circuit Board, Main (Arcom), replacing Quantum™ I, II, or III	1		
	649C1084G01	Circuit Board, Main (Arcom), replacing Quantum™ IV	1		
—25	—	not used			
—26	640C0024G01	Assembly, Circuit Board (Digital Board 1) (b)	1		
—27	640D0024G02	Assembly, Circuit Board (Digital Board 2) (b)	1		
—28	111Q0281061	Module, Output, 280V (For 115/230V)	9		
—29	333Q0000116	Module, Input, 90-140V (For 115V)	3		
—30	333Q0000789	Module, Input, 230V	3		
—31	333Q0001326	Fuse, 5 Amp, 250V	24		
—32	640C0026G01	Assembly, Circuit Board (Analog Board 1) (c)	1		
—33	640C0026G02	Assembly, Circuit Board (Analog Board 2) (c)	1		
—34	333Q0000206	Relay, 3PDT, 115V	1		
	333Q0000897	Relay, 3PDT, 230V	1		
	333Q0000207	Socket, Relay, 3PDT	1		
	111Q0280958	Suppressor, Surge, 600 VDC, .1 MFD	1		
	333Q0000196	Spring, Hold Down	2		
—35	333Q0001418	Filter, Line, EMI/RFI	1		
—36	333Q0001425	Clamp, Ferrite	4		
—37	333Q0001404	Tube, Ferrite	1		
(a) Power supply changed 3/99. No serial no. break. Power One replaced by Condor. When replacing Power One, order Kit 640C0022G11. When replacing Condor, order 640C0022G01. To identify, names are on each one.					
(b) Digital Circuit Board Assembly includes eeprom and stand-offs.					
(c) 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.					

F1-24

DISPLAY ASSEMBLY COMPONENT REPLACEMENT GUIDE

DESCRIPTION	SAMSUNG	NEC	SHARP	LG PHILIPS
10.4" TFT Display	333Q0001180	333Q0001494	333Q0001581	649C1078H01
Backlight Inverter	333Q0001582 ^(a)	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
BIOS Software Version	All Versions	Version 1.12 and later	Version 1.12 and later	Version 4.00 and later
Display Replacement Assy.	640C0021G01	640C0021G01 Rev(A)	640C0021G01 ^(b) Rev(B)	640C0052G01 ^(b)

(a) or 333Q0001181

(b) When replacing display on Quantum™ I or II Board panels, order 640C0021G01. 640C0052G01 can only be used on Quantum™ III or IV Board panels. On Quantum™ III panels, the LK11 jumper should be in the "B" position for 640C0052G01, and in the "A" position for 640C0021G01. On Quantum™ IV panels, the LK4 jumper should be in the "B" position, and in the "A" position for 640C0021G01.

MISCELLANEOUS TUBING AND CONNECTORS	
ITEM NUMBER	DESCRIPTION
111Q0350059	Connection, 1/2 ODF x 3/8" MPT
111Q0350659	Elbow, 1/2 ODT x 1/2" MPT
111Q0350715	Connection, Steel, 1/2 ODF x 1/2" MPT
111Q0350954	Connection, Steel, 3/8 ODF x 1/2" MPT
111Q0350956	Connection, Steel, 1/2 ODF x 3/4" MPT
111Q0350958	Elbow, Steel, 3/4 ODT x 3/4" MPT
111Q0350970	Connection, Steel, 3/4 ODF x 3/4" MPT
111Q0350989	Elbow, Steel, 1 ODT x 1" MPT
111Q0350990	Connection, Steel, 1 ODF x 1" MPT
111Q0351015	Connection, Steel, 3/4 ODF x 1" MPT
111Q0351034	Connection, Steel, 3/4 ODF x 1/2" MPT
111Q0351040	Elbow, 3/4 ODT x 1/2" MPT
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
944A0113H02	Elbow, Stainless Steel, 1/4 ODT x 1/4" MPT
944A0113H03	Elbow, Stainless Steel, 3/8 ODT x 1/4" MPT
944A0113H05	Elbow, Stainless Steel, 3/8 ODT 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
944A0116H07	Connection, Stainless Steel, 3/8 ODT x 3/8" MPT
944A0118H01	Union, Stainless Steel, 1/4 ODT x 1/4" ODT
944A0118H02	Union, Stainless Steel, 3/8 ODT x 3/8" ODT
944A0119H02	Tee Union, Stainless Steel, 3/8" Tube
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

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	333Q0001866
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	—
18	—	333Q0001892	—
NG 1	—	333Q0001850	—
NG 2	—	333Q0001851	—
NG 3	—	333Q0001852	—

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.

RDB BOOSTER ROTARY SCREW COMPRESSOR UNIT
NUMERICAL PARTS LIST



ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.
111Q0019539	20—24	111Q0940012	16—20	333Q0001199	26—4
111Q0068849	25—29	111Q0940012	16—20	333Q0001236	4—9
111Q0068849	25—31	111Q0940012	17—21	333Q0001236	6—13
111Q0110535	17—20	111Q0940012	20—28	333Q0001237	6—15
111Q0110603	16—10	111Q0940012	20—28	333Q0001258	26—16
111Q0110603	16—10	111Q0940012	20—28	333Q0001268	6—9
111Q0110603	16—10	111Q0940019	16—44	333Q0001326	26—31
111Q0280687	25—30	111Q0940019	16—44	333Q0001339	26—17
111Q0280832	25—7	111Q0940019	18—9	333Q0001340	26—17
111Q0280833	25—8	111Q0940022	16—44	333Q0001341	26—17
111Q0280865	8—16	111Q0940022	18—9	333Q0001404	26—37
111Q0280866	8—17	111Q0940026	16—42	333Q0001418	26—35
111Q0280867	8—18	111Q0940026	16—42	333Q0001425	26—36
111Q0280868	8—19	111Q0940026	16—42	333Q0001582	26—1A
111Q0280869	8—20	111Q0940028	17—43	333Q0001786	26—9
111Q0280916	25—35	111Q0940028	17—45	420048382GR	21—15
111Q0280930	25—25	111Q0940048	16—5	420092202GR	21—17
111Q0280958	25—23	111Q0940051	3—10	420092241GR	21—17
111Q0280958	26—34	111Q0940136	25—6	420092241GR	21—17
111Q0280973	25—35	111Q0940163	16—32	420092241GR	22—15
111Q0280981	25—21	111Q0940163	16—32	420095244GR	21—15
111Q0281039	25—21	111Q0940163	16—32	420098167GR	21—15
111Q0281053	25—28	111Q0940163	18—8	420098283GR	22—10
111Q0281059	25—20	111Q0940164	17—32	420801048GR	22—13
111Q0281061	25—38	111Q0940169	16—31	421642107GR	21—18
111Q0281061	26—28	111Q0940169	16—31	421642109GR	21—18
111Q0450790	25—26	111Q0940169	16—31	421642109GR	21—18
111Q0451137	3—4	111Q0940170	17—31	421642109GR	22—16
111Q0451152	25—16	333Q0000068	25—4	480012300GR	21—16
111Q0451159	25—11	333Q0000116	25—37	480012400GR	21—16
111Q0451160	25—12	333Q0000116	26—29	480012400GR	21—16
111Q0451178	25—10	333Q0000117	25—22	480012400GR	22—14
111Q0451635	25—34	333Q0000194	25—18	531A0028H01	4—1
111Q0451637	25—33	333Q0000195	25—19	531A0048G36	3—11
111Q0452442	25—17	333Q0000196	26—34	531A0048G37	3—11
111Q0452524	16—30	333Q0000206	25—16	531A0048G38	3—11
111Q0452524	16—30	333Q0000206	26—34	531A0048G41	3—11
111Q0452524	16—30	333Q0000207	25—17	531A0105H03	3—1
111Q0452525	17—30	333Q0000207	26—34	531A0105H04	3—1
111Q0452527	16—27	333Q0000211	25—14	531A0139H01	14—7
111Q0452527	16—27	333Q0000212	25—15	531A0205H01	4—6
111Q0452528	16—27	333Q0000261	25—9	531A0218H01	4—1
111Q0740052	16—43	333Q0000548	25—13	531A0218H01	6—10
111Q0740052	18—9	333Q0000566	25—27	531B0099H01	3—5
111Q0740666	16—43	333Q0000573	25—21	531B0100H01	6—10
111Q0740666	16—43	333Q0000789	25—37	531B0100H02	6—10
111Q0740666	18—9	333Q0000789	26—30	531B0100H03	6—10
111Q0740738	2—27	333Q0000897	25—16	534A0621H01	2—20
111Q0740739	2—6	333Q0000897	26—34	534B0014H15	2—7
111Q0740743	2—27	333Q0000898	25—18	534B0014H15	2—28
111Q0740746	2—5	333Q0000899	25—9	534B0014H16	2—7
111Q0740747	2—6	333Q0000934	25—34	534B0568H01	2—25
111Q0740747	2—27	333Q0001116	25—35	534B0569H01	2—21
111Q0740748	2—5	333Q0001117	25—35	534C0187H05	2—7
111Q0740748	2—5	333Q0001118	25—35	534C0187H05	2—23
111Q0740772	2—5	333Q0001183	25—32	534C0187H06	2—7
111Q0740776	2—6	333Q0001183	26—5	534C0187H06	2—23
111Q0740782	2—5	333Q0001185	26—6	534C0187H07	2—7
111Q0740797	2—5	333Q0001191	26—7	534C0187H19	2—23
111Q0740822	17—44	333Q0001192	26—8	534C0237H01	2—9
111Q0740838	2—27	333Q0001194	26—10	534C0237H01	2—25
111Q0740877	2—5	333Q0001195	26—11	534C0238H01	2—10
111Q0940012	16—20	333Q0001196	26—12	534C0238H01	2—21

ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.
534C0246H01	2—11	547D0490G01	10—1	580A0232H01	17—37
534C0246H01	2—20	547D0491G01	10—1	580A0234H01	17—40
534C0246H02	2—11	547D0493G01	10—1	580A0235H01	16—29
534C0246H02	2—20	547D0494G01	10—1	580A0235H01	16—29
534C0246H03	2—11	547D0495G01	10—1	580A0235H01	16—29
534C0255H01	2—10	547D0496G01	10—1	580A0235H03	17—29
534C0255H01	2—21	547D0497G01	10—1	580A0275H02	19—21
534C0256H01	2—9	547D0498G01	10—1	580A0275H03	16—7
534C0256H01	2—25	550657046GR	21—14	580A0275H03	16—7
534C0260H01	2—9	550657051GR	21—14	580A0275H03	20—21
534C0261H01	2—10	550657051GR	21—14	580A0275H03	20—21
534C0276H01	2—13	550840109GR	22—6	580A0275H04	16—7
534C1165H01	2—18	550840194GR	21—11	580A0275H04	20—21
534C1166H01	2—19	550840252GR	21—11	580A0275H05	17—7
534D0185C01	2—12	550845213GR	21—13	580B0240G02	18—3
534D0188H01	2—13	550845217GR	21—13	580B0240G04	16—25
534D0188H01	2—18	550845217GR	21—13	580B0240G04	16—25
534D0197C01	2—12	550845354GR	21—11	580B0240G04	18—3
534D0197C01	2—19	550940238GR	21—12	580B0240G06	16—25
534D0198H01	2—13	550940245GR	21—12	580B0240G06	18—3
534D0202C01	2—12	550940245GR	21—12	580B0240G07	17—25
534D1019C01	2—19	550940247GR	22—5	580B0241H03	16—33
535A0144H01	4—2	553A0001H01	6—3	580B0241H04	17—33
535A0144H01	6—6	580A0090H02	16—22	580B0242G01	16—28
535A0154G01	10—7	580A0090H02	16—22	580B0242G01	16—28
535A0250H02	25—24	580A0090H02	19—8	580B0242G01	16—28
535A0290H01	13—7	580A0090H02	20—8	580B0243G01	17—28
535A0293H01	13—7	580A0090H02	20—8	580B0246G02	18—4
535A0351H01	4—5	580A0095H01	16—23	580B0246G04	16—34
535A0391G01	10—7	580A0095H01	16—23	580B0246G04	16—34
535B0019	3—4	580A0095H01	20—7	580B0246G04	18—4
535C0012H01	9—1	580A0095H01	20—7	580B0246G04	18—4
535C0133H01	2—3	580A0096H01	16—18	580B0246G06	16—34
535C0182G01	13—7	580A0096H01	16—18	580B0246G06	18—4
535C0232G02	16—2	580A0096H01	19—9	580B0246G07	17—34
535C0232G03	16—2	580A0096H01	20—9	580B0272H01	16—35
535C0232G04	16—2	580A0096H01	20—9	580B0272H01	16—35
535C0232G10	16—1	580A0108H01	16—18	580B0273H04	16—36
535C0232G11	16—1	580A0108H01	20—9	580B0273H04	16—36
535C0232G12	16—1	580A0109H01	16—23	580B0273H06	16—36
535C0232G13	17—1	580A0109H01	20—7	580B0273H07	17—35
535C0232G15	17—2	580A0183H06	20—29	580C0044C01	16—16
535C0239H01	2—3	580A0183H06	20—29	580C0250H02	16—40
535D0335G01	5—1	580A0183H07	20—29	580C0250H02	16—40
535D0335G02	5—1	580A0192H01	16—22	580C0250H02	18—6
535D0345G01	5—1	580A0192H01	20—8	580C0251C02	16—26
535D0345G02	5—1	580A0218H01	19—24	580C0252C02	16—26
535M0049G01	4—9	580A0218H01	20—24	580C0252C02	16—26
535M0049G02	4—9	580A0218H01	20—24	580C0253H02	16—40
535M0049G03	4—9	580A0219H01	19—23	580C0253H02	18—6
540D0217G02	3—7	580A0219H01	20—23	580C0255H02	18—6
540D0217H06	3—6	580A0219H01	20—23	580C0262C01	17—26
540D0217H07	3—8	580A0219H04	20—23	580C0268H01	17—41
547D0211G01	10—1	580A0226H01	18—7	580C0300H01	16—35
547D0212G01	10—1	580A0227H01	16—39	580C0301H01	17—36
547D0213G01	10—1	580A0227H01	16—39	580C0357G09	3—3
547D0214G01	10—1	580A0227H01	18—7	580C0358G09	3—3
547D0215G01	10—1	580A0228H01	16—39	580C0361G09	3—3
547D0216G01	10—1	580A0228H01	18—7	580C0362G09	3—3
547D0485G01	10—1	580A0229H01	17—39	580C0362G09	3—3
547D0486G01	10—1	580A0231H02	16—37	581A0001H04	17—22
547D0488G01	10—1	580A0231H02	16—37	581A0007H01	17—16
547D0489G01	10—1	580A0231H03	16—37	581A0010H03	16—4

RDB BOOSTER ROTARY SCREW COMPRESSOR UNIT
NUMERICAL PARTS LIST



ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.
581A0010H03	16—4	581B0080H01	20—15	640C0024G01	26—26
581A0010H03	19—19	581B0081H01	20—15	640C0026G01	26—32
581A0010H03	20—19	581B0082H01	20—15	640C0026G02	26—33
581A0010H03	20—19	581B0086H01	20—31	640C0052G01	26—1
581A0010H04	16—4	581B0086H01	20—31	640D0013H01	25—2
581A0010H04	20—19	581B0086H02	20—31	640D0021H01	25—1
581A0011H02	16—5	581B0100H01	20—5	640D0024G02	26—27
581A0011H03	16—5	581B0100H02	20—5	640D0060H01	26—23
581A0011H03	17—5	581B0100H03	20—5	6490A883H10	26—13
581A0011H03	20—18	581B0100H04	19—5	649A0260H01	25—39
581A0011H07	19—18	581C0001H04	16—6	649A0264H01	25—5
581A0011H07	20—18	581C0001H04	16—6	649A0883H16	26—14
581A0011H07	20—18	581C0001H04	20—20	649C1083H01	26—24
581A0012H01	16—14	581C0001H04	20—20	649C1084G01	26—24
581A0012H01	20—11	581C0001H05	16—6	649D0979H01	25—3
581A0013H03	16—17	581C0001H05	20—20	724000374GR	22—3
581A0014H01	16—21	581C0001H09	19—20	724000375GR	22—8
581A0014H01	20—26	581C0037H01	16—8	724000550GR	22—9
581A0015H01	16—21	581C0037H01	20—4	724000552GR	22—7
581A0015H01	20—26	581C0042H01	16—8	724000599GR	22—4
581A0016H01	16—21	581C0042H01	20—4	724000620GR	22—11
581A0016H01	20—26	581C0043C01	16—16	724000641GR	22—2
581A0017H01	17—19	581C0045H01	16—8	724000642GR	22—12
581A0020H01	17—14	581C0045H01	20—4	724001062GR	21—5
581A0022H02	19—7	581C0046G06	19—6	724001063GR	21—5
581A0023H01	16—14	581C0048C01	16—9	724001064GR	21—5
581A0023H01	16—14	581C0048C01	20—3	724003177GR	21—1
581A0023H01	20—11	581C0049C01	16—16	724003183GR	21—1
581A0023H01	20—11	581C0050H01	17—6	724003183GR	21—1
581A0024H01	16—11	581C0063C01	20—2	724003212GR	21—7
581A0024H01	16—11	581C0072G01	17—17	724003216GR	21—7
581A0024H01	20—13	581C0074G01	17—9	724003216GR	21—7
581A0024H01	20—13	581C0087C03	19—3	724003237GR	21—3
581A0027H01	19—14	581C0105C01	19—2	724003239GR	21—3
581A0027H01	20—14	581C0110G02	19—1	724003241GR	21—3
581A0027H01	20—14	581C0110G03	20—1	724003262GR	21—4
581A0027H02	20—14	581C0110G04	20—1	724003266GR	21—4
581A0040H01	16—17	581C0110G05	20—1	724003266GR	21—4
581A0040H01	20—25	581C0139C01	20—6	724003287GR	21—2
581A0040H02	16—17	581C0142C01	20—6	724003289GR	21—2
581A0040H02	20—25	581C0144C01	20—6	724003291GR	21—2
581A0040H03	20—25	581D0032C01	16—9	724003312GR	21—9
581A0040H04	17—18	581D0032C01	20—3	724003314GR	21—9
581A0042H01	17—11A	581D0033C01	16—9	724003316GR	21—9
581A0044H01	17—15	581D0033C01	20—3	724003337GR	21—10
581A0046H01	17—12	581D0045C01	20—2	724003341GR	21—10
581B0001H03	19—17	581D0047C01	20—2	724003341GR	21—10
581B0001H04	16—3	640A0020G01	25—39	724003462GR	21—6
581B0001H04	16—3	640A0032H01	26—3	724003466GR	21—6
581B0001H04	20—17	640A0033H01	8—5	724003466GR	21—6
581B0001H04	20—17	640A0035H01	8—5	724003487GR	21—8
581B0001H05	16—3	640A0038H10	8—5	724003491GR	21—8
581B0001H05	20—17	640A0051H01	8—5	724003491GR	21—8
581B0001H06	17—3	640B0019H01	25—36	724003614GR	21—19
581B0003H06	17—23	640B0031H01	26—18	724003616GR	21—19
581B0009H01	17—8	640B0032H01	26—19	724003616GR	21—19
581B0030H03	19—4	640B0038H01	26—21	724003618GR	22—17
581B0032H01	19—13	640B0041H01	26—22	724003664GR	21—20
581B0033H02	19—11	640B0049H01	26—2	724003666GR	21—20
581B0045H01	16—11	640B0050H01	26—2	724003666GR	21—20
581B0045H01	20—13	640B0065H01	26—20	724003668GR	22—18
581B0052H04	19—15	640C0021G01	26—1	900A0007H01	4—9
581B0066H01	17—11	640C0022G01	26—2	900A0007H01	4—9

ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.
900A0007H01	6—11	914A0015H02	15—8	950A0069H23	14—3
900A0008H01	4—9	914A0015H02	15—8	950A0069H24	13—4
900A0008H01	6—12	914A0015H03	13—5	950A0069H25	11—2
901A0043B03	16—19	914A0015H03	15—8	950A0069H25	11—2
901A0043B03	16—19	914A0016H03	13—5	950A0069H25	13—4
901A0043B03	16—19	914A0016H05	13—5	950A0069H25	15—3
901A0043D05	6—8	944A0008H02	16—38	950A0069H25	15—3
901A0043E03	20—27	944A0008H02	16—38	950A0069H33	14—3
901A0043E03	20—27	944A0008H02	16—38	950A0069H34	14—3
901A0043E03	20—27	944A0008H02	17—38	950A0069H34	14—3
901A0043H05	4—4	944A0063H37	5—4	950A0069H35	14—3
901A0045A03	17—4	944A0108H05	11—5	950A0069H36	13—4
901A0046A03	20—16	944A0108H05	15—5	950A0069H37	11—2
901A0046A03	20—16	944A0108H07	11—5	950A0069H37	15—3
901A0046A05	17—10	944A0126H10	11—2	950A0069H38	11—2
901A0046D03	20—16	944A0360G10	13—6	950A0069H38	13—4
901A0047A05	16—41	944A0360G11	13—6	950A0069H38	15—3
901A0047A05	16—41	944A0360G12	13—6	950A0075H08	11—2
901A0047A05	19—16	947A0003H05	3—2	950A0075H09	11—2
901A0047A06	16—41	950A0001H02	8—21	950A0075H26	11—2
901A0047D05	16—41	950A0001H07	15—3	950A0075H28	11—2
901A0047D05	16—41	950A0001H26	15—3	950A0075H29	11—2
901A0047D06	16—41	950A0001H35	15—3	950A0075H46	11—2
901A0048A06	17—42	950A0001H41	15—3	950A0075H48	11—2
901A0048D06	17—42	950A0012H01	14—3	950A0075H49	11—2
901A0098H11	4—7	950A0012H01	14—3	950A0186G01	14—3
901A0098H11	6—4	950A0012H01	14—3	950A0186G02	14—3
901A0098H16	10—1	950A0018G01	14—3	950A0187G01	14—3
901A0098H16	10—1	950A0018G02	14—3	950A0187G02	14—3
901A0098H19	10—1	950A0019H01	8—2	950A0190H01	14—3
901A0098H19	10—1	950A0019H01	14—3	950A0190H01	14—3
901A0098H21	10—1	950A0019H04	8—2	950A0190H01	14—3
901A0098H24	10—1	950A0019H04	14—3	950A0190H01	14—3
901A0172H03	11—7	950A0021G03	14—3	950A0190H01	14—3
901A0172H03	15—7	950A0021G04	14—3	950A0190H01	14—3
901A0172H05	11—7	950A0027H01	10—6	950A0190H03	14—3
902A0002H05	3—9	950A0027H02	10—6	950A0190H03	14—3
902A0021H01	6—16	950A0027H03	10—6	950A0195H01	11—8
902A0021H03	4—8	950A0028G31	10—5	950A0195H02	11—8
902A0021H03	6—5	950A0028H01	10—5	950A0195H11	11—8
902A0021H03	10—1	950A0028H21	10—5	950A0195H11	11—8
902A0021H03	10—1	950A0029G31	10—5	950A0222H01	11—8
902A0021H03	10—1	950A0029H21	10—5	950A0222H11	11—8
902A0021H03	10—1	950A0046H01	10—5	950A0233H01	8—11
902A0021H03	10—1	950A0055H07	11—2	950A0233H01	10—3
902A0021H03	10—1	950A0055H16	11—2	950A0233H01	10—3
905A0007H05	6—14	950A0055H22	11—2	950A0233H02	8—12
913A0047H01	3—4	950A0055H27	11—2	950A0233H03	5—2
913A0047H02	3—4	950A0066G01	10—5	950A0233H03	8—10
913A0047H03	3—4	950A0067G01	10—5	950A0233H03	8—11
913A0047H04	3—4	950A0069H03	14—3	950A0233H03	8—12
913A0101H01	8—5	950A0069H04	14—3	950A0233H03	10—4
913A0101H11	8—5	950A0069H04	14—3	950A0233H04	5—2
913A0102H02	6—17	950A0069H05	14—3	950A0233H04	8—10
913A0110H01	8—7	950A0069H06	13—4	950A0233H04	10—4
913A0110H01	9—3	950A0069H07	11—2	950A0233H04	13—1
913A0110H02	8—6	950A0069H07	15—3	950A0233H05	5—2
913A0110H02	9—3	950A0069H08	11—2	950A0233H05	6—18
913A0110H04	8—7	950A0069H08	13—4	950A0233H05	7—2
913A0110H04	9—3	950A0069H08	15—3	950A0233H05	8—10
913A0110H05	8—6	950A0069H21	14—3	950A0233H05	10—4
913A0110H05	9—3	950A0069H22	14—3	950A0233H06	6—18
914A0015H02	13—5	950A0069H22	14—3	950A0233H06	7—2

RDB BOOSTER ROTARY SCREW COMPRESSOR UNIT
NUMERICAL PARTS LIST



ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.
950A0233H06	11—1	952A0021H09	3—3	956A0031H01	8—24
950A0233H06	13—1	952A0022H09	3—3	956A0031H03	8—24
950A0233H06	15—1	952A0022H09	3—3	956A0031H04	8—24
950A0236H03	8—14	952A0025H01	10—2	957A0003H01	5—5
950A0237H01	14—2	954A0007H02	13—2	957A0003H01	6—17
950A0237H02	14—2	954A0007H05	13—2	957A0003H01	7—4
950A0237H03	14—2	954A0007H06	13—2	957A0003H01	8—22
950A0237H04	10—4	954A0008H01	14—4	957A0003H01	9—2
950A0240H09	18—1	954A0008H02	14—4	957A0003H01	11—3
950A0240H10	18—1	954A0010H20	14—8	957A0003H01	13—8
950A0240H11	18—1	954A0010H30	14—8	957A0003H01	14—5
950A0240H12	18—1	954A0012H20	14—8	957A0003H01	15—2
950A0240H26	18—1	954A0012H30	14—8	957A0003H01	19—25
950A0240H27	18—1	954A0012H30	14—8	957A0003H01	20—30
950A0240H28	18—1	954A0032H01	8—3	957A0003H01	20—30
950A0240H29	18—1	954A0032H02	8—3	957A0003H01	20—30
950A0240H34	18—1	954A0033H01	5—3	957A0003H02	8—4
950A0240H35	18—1	954A0033H01	6—19	957A0003H02	16—45
950A0240H36	18—1	954A0033H01	7—5	957A0003H02	17—46
950A0240H46	18—1	954A0033H01	8—3	957A0030H02	8—1
950A0240H47	18—1	954A0033H02	5—3	959A0003H06	13—4
950A0240H48	18—1	954A0033H02	6—19	959A0003H07	13—4
950A0240H49	18—1	954A0033H02	7—5	959A0022H07	16—15
950A0240H55	18—1	954A0033H02	8—3	959A0022H08	16—15
950A0240H56	18—1	954A0047H01	5—3	959A0022H09	16—15
950A0240H57	18—1	954A0047H01	6—19	959A0040H15	10—1
950A0241H07	6—18	954A0047H01	7—5	959A0040H15	10—1
950A0241H07	7—2	954A0047H01	8—3	959A0040H16	10—1
950A0241H07	11—1	954A0047H02	8—3	959A0040H16	10—1
950A0241H07	15—1	954A0050H01	14—8	959A0040H17	10—1
950A0245H05	7—3	954A0050H02	14—8	959A0040H18	10—1
950A0245H06	7—3	954A0050H03	14—8	959A0040H50	10—1
950A0249H01	14—1	954A0050H04	14—8	959A0040H50	10—1
950A0249H02	14—1	954A0050H05	14—8	959A0040H50	10—1
950A0249H03	14—1	954A0050H06	14—8	959A0040H50	10—1
950A0253H07	7—3	954A0050H07	14—8	959A0040H50	10—1
951A0006H07	8—21	954A0050H08	14—8	959A0040H50	10—1
951A0006H14	8—21	954A0050H09	14—8	959A0053H01	4—3
951A0009H01	8—21	954A0051H01	14—8	959A0053H01	6—7
951A0009H03	8—21	954A0051H02	14—8	959A0054H06	11—2
951A0020H01	14—9	954A0051H03	14—8	959A0054H08	11—2
951A0021H01	8—9	954A0051H04	14—8	959A0054H25	11—6
951A0021H01	14—9	954A0051H05	14—8	959A0054H25	15—6
951A0021H02	8—9	954A0051H06	14—8	959A0054H27	11—6
951A0037H13	13—4	954A0051H07	14—8	959A0054H30	3—12
951A0037H14	13—4	954A0051H08	14—8	959A0054H32	3—12
951A0039H01	8—9	954A0051H09	14—8	959A0054H33	3—12
951A0039H02	8—9	954A0051H10	14—8	959A0055H01	16—12
951A0039H11	8—9	955A0012H01	3—3	959A0055H06	16—12
951A0039H12	8—9	955A0012H02	3—3	959A0055H06	20—12
951A0041H01	14—3	955A0023H01	3—3	959A0055H06	20—12
951A0041H01	14—3	955A0024H01	3—3	959A0055H07	16—12
951A0041H01	14—3	955A0024H01	3—3	959A0055H07	20—12
951A0041H01	14—3	956A0012G03	11—4	959A0055H12	19—12
951A0060H04	8—21	956A0012G03	15—4	959A0056H01	16—13
951A0060H05	8—21	956A0012G05	11—4	959A0056H06	16—13
951A0060H06	8—21	956A0012G05	15—4	959A0056H06	20—22
951A0066H01	14—3	956A0012G10	11—4	959A0056H06	20—22
951A0066H01	14—3	956A0012G10	15—4	959A0056H07	16—13
952A0004H01	14—4	956A0014H01	13—3	959A0056H07	20—22
952A0019H10	3—3	956A0014H01	15—9	959A0056H12	19—22
952A0019H10	10—2	956A0014H02	13—3	959A0057H03	13—2
952A0020H10	3—3	956A0014H02	15—9	959A0057H04	13—4

ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.	ITEM NUMBER	FIG. & INDEX NO.
959A0057H04	13—6	960A0082G04	15—8		
959A0057H05	13—6	960A0082G05	15—8		
959A0057H07	13—4	960A0082G06	15—8		
959A0057H07	13—6	960A0082G07	15—8		
959A0061H01	18—5	960A0082G08	15—8		
959A0061H02	16—33	960A0082G09	15—8		
959A0061H02	16—33	960A0082G10	15—8		
959A0061H02	18—5	960A0082H01	15—8		
959A0061H03	18—5	960A0082H01	15—8		
959A0062H01	18—2	960A0082H02	15—8		
959A0062H02	2—2	980A0012A63	2—14		
959A0062H02	16—24	980A0012A63	2—29		
959A0062H02	18—2	980A0012A74	2—22		
959A0062H03	2—2	980A0012A77	2—26		
959A0062H03	2—4	980A0012A84	2—15		
959A0062H03	16—24	980A0012A84	2—22		
959A0062H03	18—2	980A0012A87	2—16		
959A0062H04	2—2	980A0012A87	2—26		
959A0062H04	2—4	980A0012A89	2—24		
959A0062H04	16—24	980A0012A92	2—15		
959A0062H04	18—2	980A0012A92	2—22		
959A0062H05	2—2	980A0012A95	2—16		
959A0062H05	17—24	980A0012A95	2—26		
959A0062H21	18—2	980A0012A99	2—17		
959A0062H22	18—2	980A0012A99	2—24		
959A0062H23	18—2	980A0012B03	2—16		
959A0062H24	18—2	980A0012B04	2—17		
959A0063H01	4—6	980A0012B04	2—24		
959A0075H06	11—2	980A0012B08	2—17		
959A0076H01	17—13	980A0012B65	2—15		
959A0082H01	4—6	980A0014A66	2—14		
959A0082H01	6—2	980A0014H59	19—10		
959A0089H01	14—8	980A0014H67	16—15		
959A0089H02	14—8	980A0014H67	20—10		
959A0089H02	14—8	980A0014H71	16—15		
959A0089H02	14—8	980A0014H71	20—10		
959A0089H03	14—8	980A0014H80	16—15		
959A0089H03	14—8	980A0014H80	17—27		
959A0089H04	14—8	980A0014H80	20—10		
960A0066G01	13—5	980A0014K29	17—16		
960A0066G03	13—5	980A0017H01	8—5		
960A0066H01	13—5	990A0003H02	8—15		
960A0066H02	13—5	990A0003H02	8—23		
960A0066H11	13—5	990A0011H01	14—6		
960A0066H11	13—5	990A0014H01	8—5		
960A0066H11	15—8	990A0062H01	8—5		
960A0066H11	15—8				
960A0066H12	15—8				
960A0066H41	13—5				
960A0066H41	13—5				
960A0067G05	13—5				
960A0067H02	13—5				
960A0067H11	13—5				
960A0067H12	13—5				
960A0067H41	13—5				
960A0077G09	13—5				
960A0077H03	13—5				
960A0077H41	13—5				
960A0082G01	15—8				
960A0082G01	15—8				
960A0082G02	15—8				
960A0082G03	15—8				
960A0082G04	15—8				

