

**80447527**

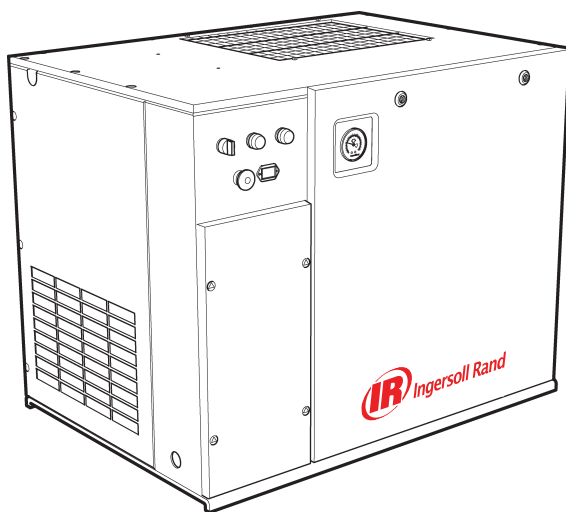
Revision A

July 2013

Contact-Cooled Rotary Screw Air Compressor

UP5 4, UP5 5, UP5 7, UP5 11c

UP6 5, UP6 7, UP6 10, UP6 15c



Parts Information



Save These Instructions



Only allow **Ingersoll Rand** trained Technicians to perform maintenance on this product. For additional information contact **Ingersoll Rand** factory or nearest Distributor.

The use of other than genuine **Ingersoll Rand** replacement parts may result in safety hazards, decreased performance and increased maintenance and may invalidate all warranties.

Refer all communications to the nearest **Ingersoll Rand** Office or Distributor.

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PARTS ORDERING INFORMATION

These products are designed and constructed to provide long, trouble-free service. In time it may be necessary to order and install new parts to replace those that have been subjected to wear.

For your convenience and future reference it is recommended that the following information be recorded.

Model Number _____

Serial Number _____

Date Purchased _____

When ordering replacement parts, please specify the following:

1. Complete model number and serial number as it appears on the data (name) plate.
2. Part number(s) and part description as shown in this manual.
3. Quantity required.

NOTICE

- Continuing improvement and advancement of design may cause changes to this equipment which are not included in this manual. Manuals are periodically revised to incorporate changes. Always check the manual edition number on the front cover for the latest issue.
- Sections of this manual may not apply to your product.
- Using other than genuine **Ingersoll Rand** replacement parts may invalidate the warranty.

■ Return Goods Policy

Ingersoll Rand will not accept any returned goods for warranty or service work unless prior arrangements have been made and written authorization has been provided from the location where the goods were purchased.

Products which have been modified without **Ingersoll Rand** approval, mishandled or misused will not be repaired or replaced under warranty. A printed copy of the warranty which applies to this product is provided inside the back cover of this manual.

■ Disposal

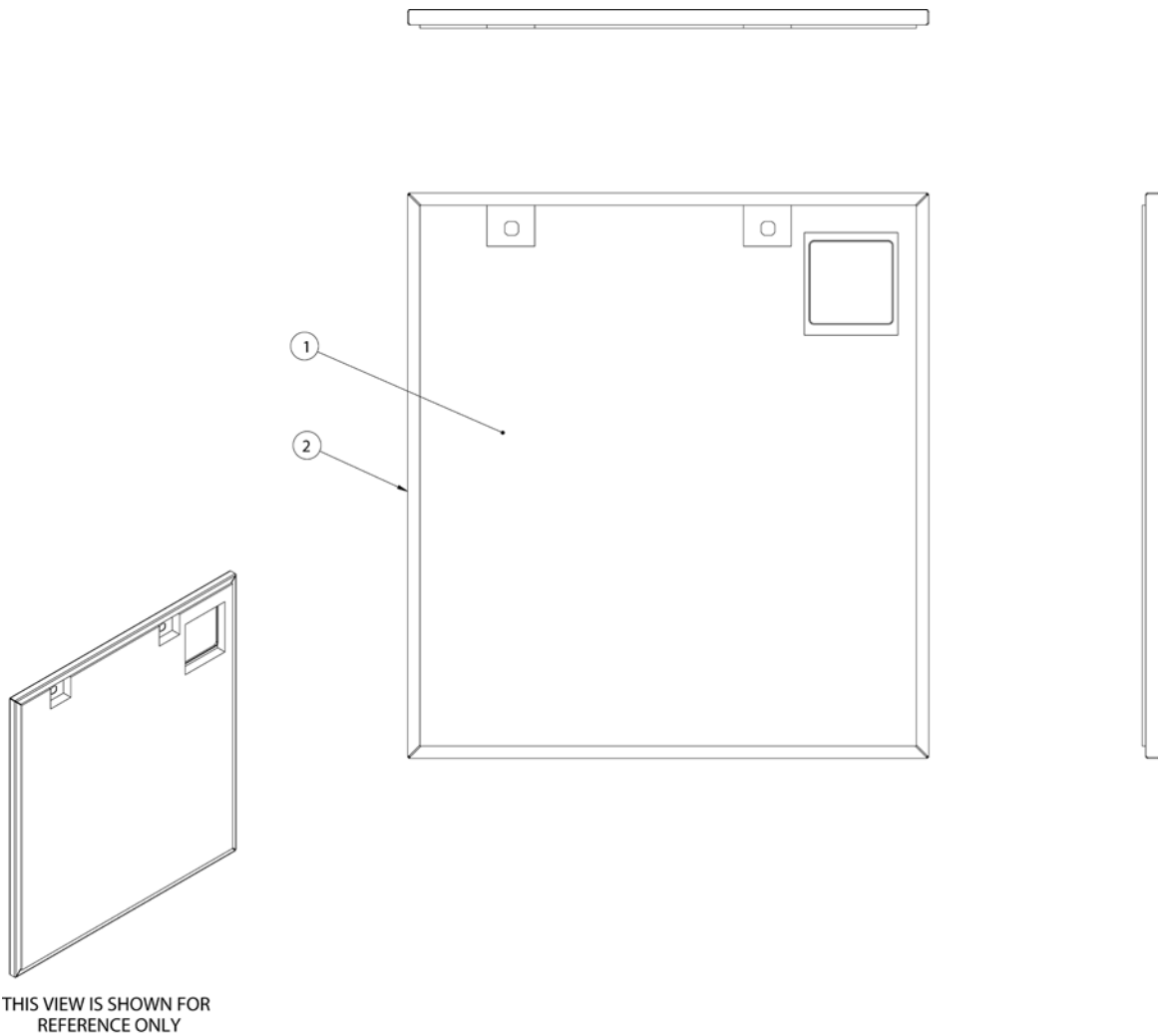


When the life of the product has expired, it is recommended that it be disassembled, degreased and parts separated as to materials so that they may be recycled.

Refer all communications to the nearest **Ingersoll Rand** Office or Distributor.

FRONT PANEL (SHEET METAL/FOAM) ASSEMBLY DRAWING AND PARTS LIST

Assembly Front Panel



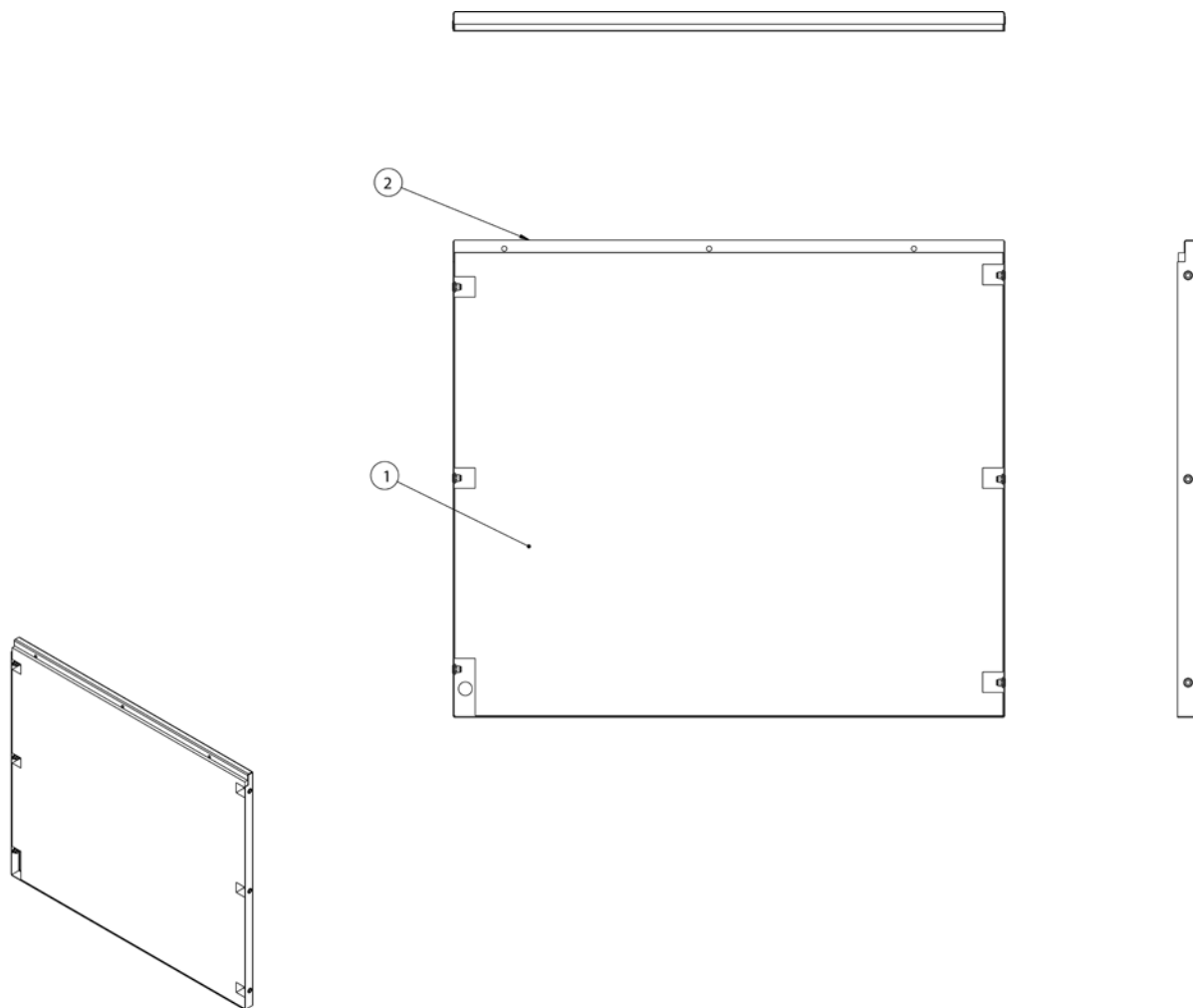
(Dwg. 22460703E1)

PARTS LIST

Item	Part No.	Description	Qty.
1	22385264	FOAM, FRONT PANEL UP-SERIES ENCLOSURE	1
2	22452544	PANEL, FRONT ACCESS UP-SERIES ENCLOSURE	1

RIGHT PANEL (SHEET METAL/FOAM) ASSEMBLY DRAWING AND PARTS LIST

Assembly Right Panel



THIS VIEW IS SHOWN FOR
REFERENCE ONLY

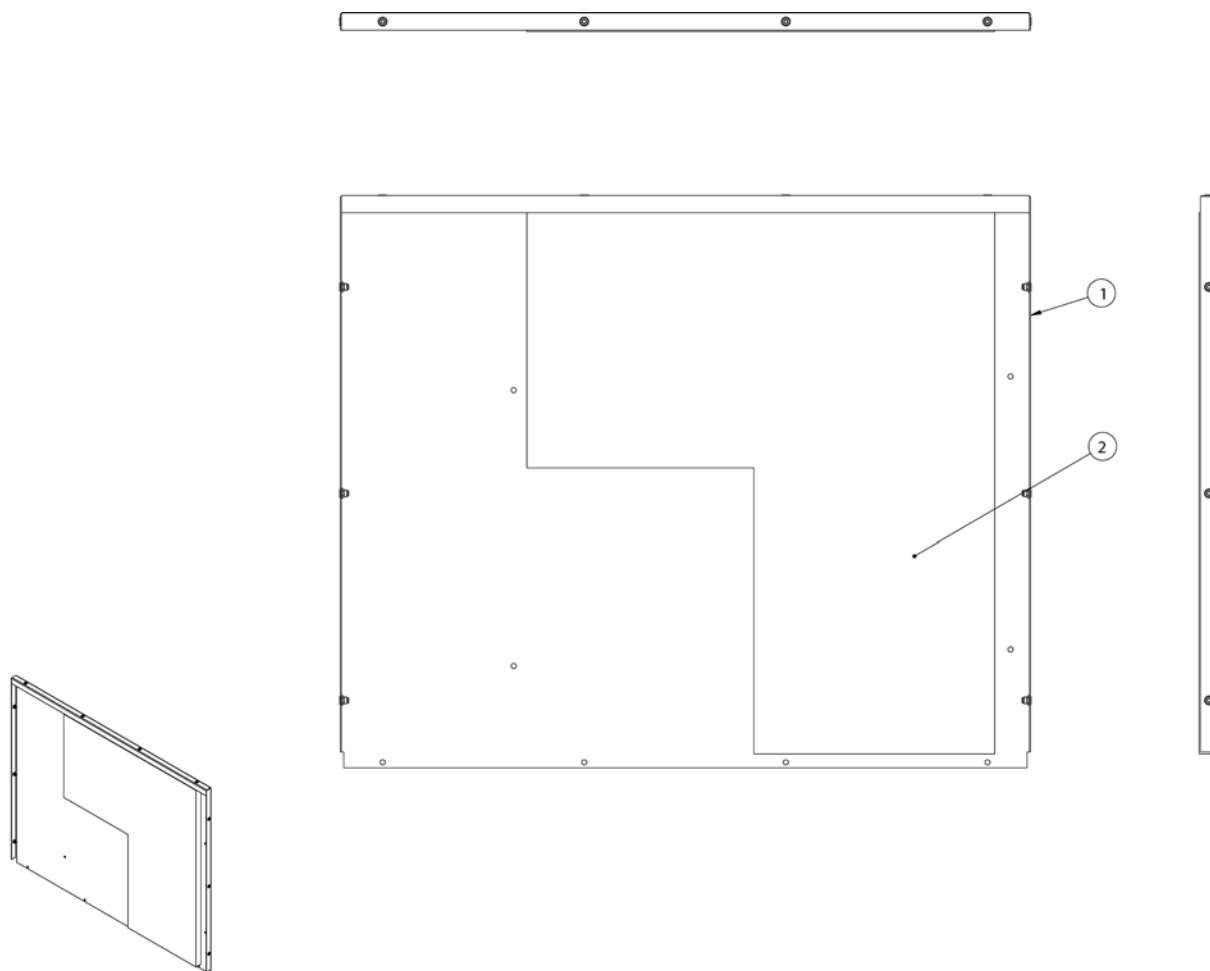
(Dwg. 22460711C1)

PARTS LIST

Item	Part No.	Description	Qty.
1	22385272	FOAM, SIDE PANEL, 25.4 mm, PROJECT X -EM	1
2	22398333	PANEL, RIGHT X-EM BELT DRIVE	1

BACK PANEL (SHEET METAL/FOAM) ASSEMBLY DRAWING AND PARTS LIST

Assembly Back Panel



THIS VIEW IS SHOWN FOR
REFERENCE ONLY

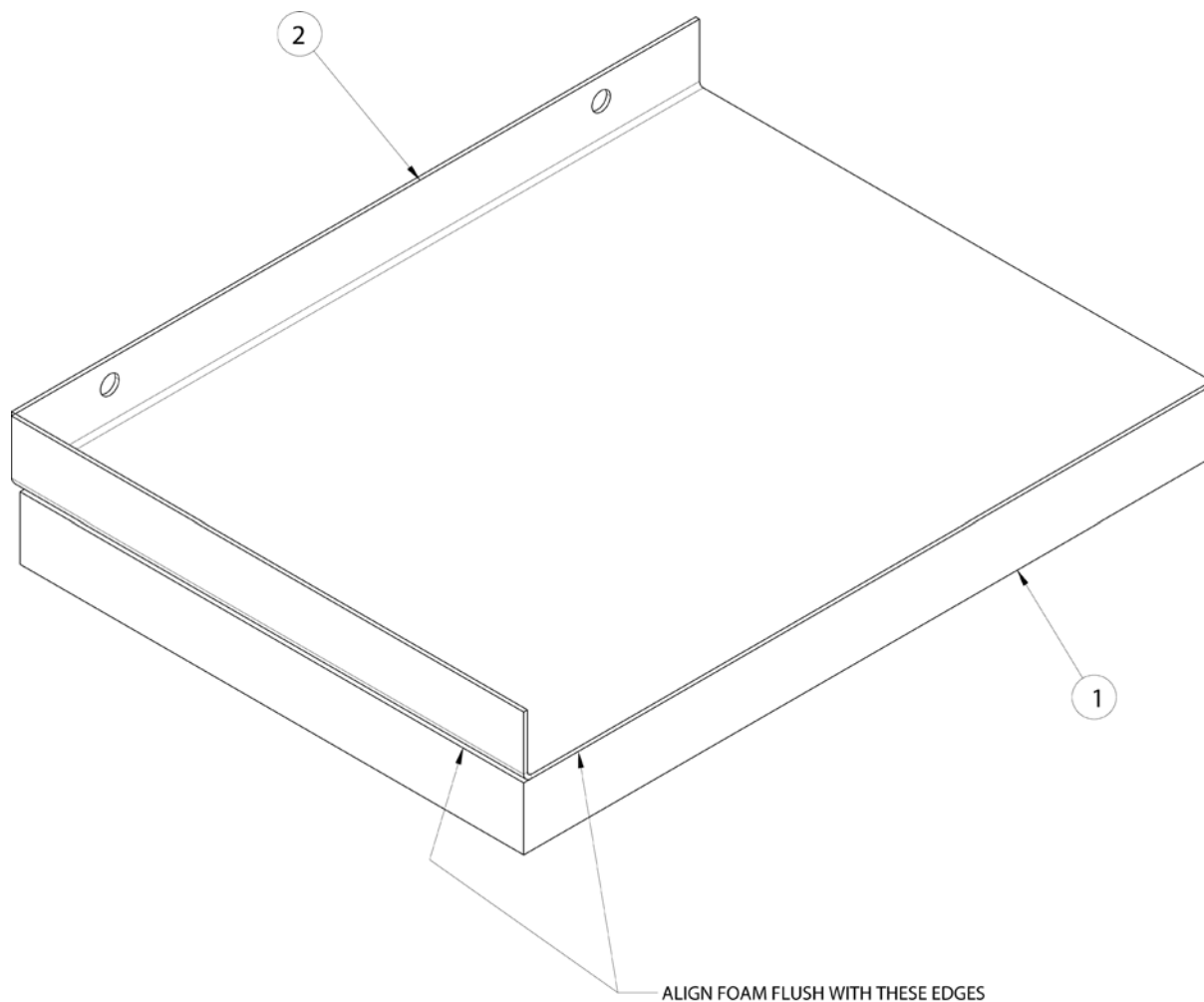
(Dwg. 22460729C1)

PARTS LIST

Item	Part No.	Description	Qty.
1	22368039	ASSEMBLY, BACK PANEL UP - SERIES	1
2	22385280	FOAM, BACK PANEL, 25.4 mm, PROJECT X-EM	1

MOTOR PANEL (SHEET METAL/FOAM) ASSEMBLY DRAWING AND PARTS LIST

Assembly Motor Panel



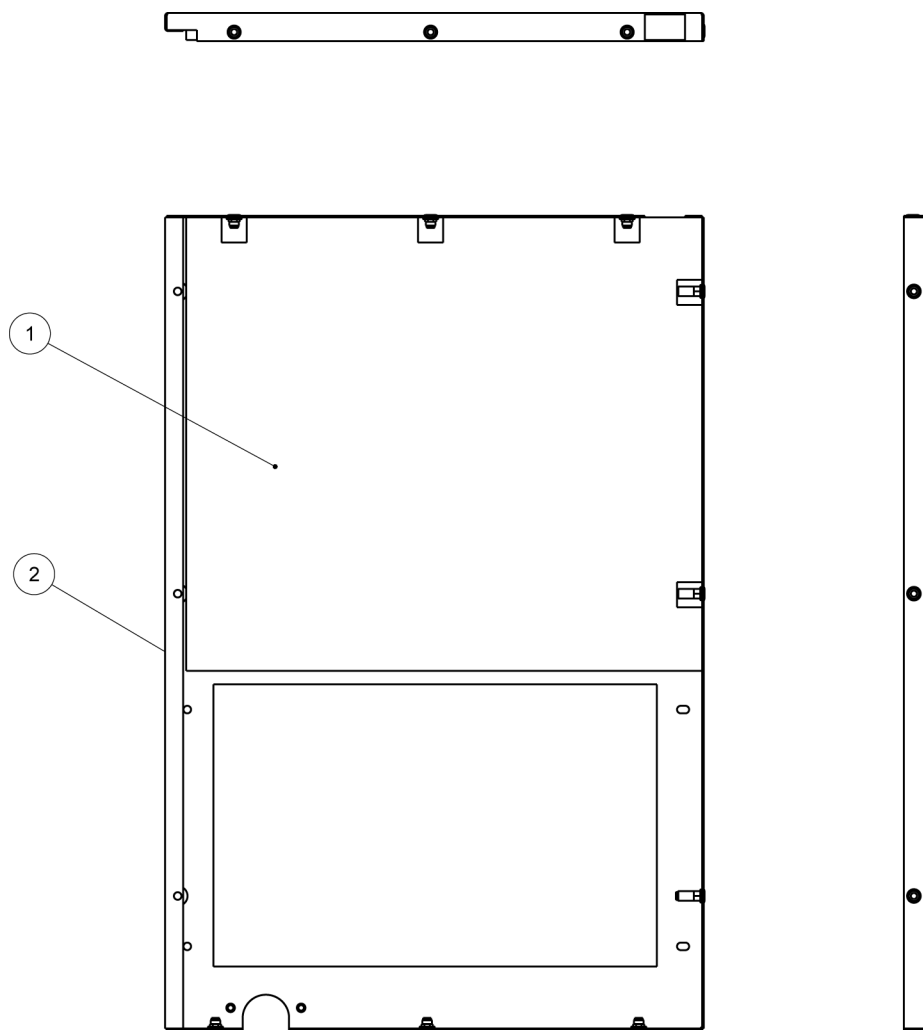
(Dwg. 22460737D1)

PARTS LIST

Item	Part No.	Description	Qty.
1	22419451	FOAM, MOTOR PANEL, 25.4 mm THICK	1
2	22417166	PANEL, MOTOR	1

LEFT PANEL (SHEET METAL/FOAM) ASSEMBLY DRAWING AND PARTS LIST

Assembly Left Panel



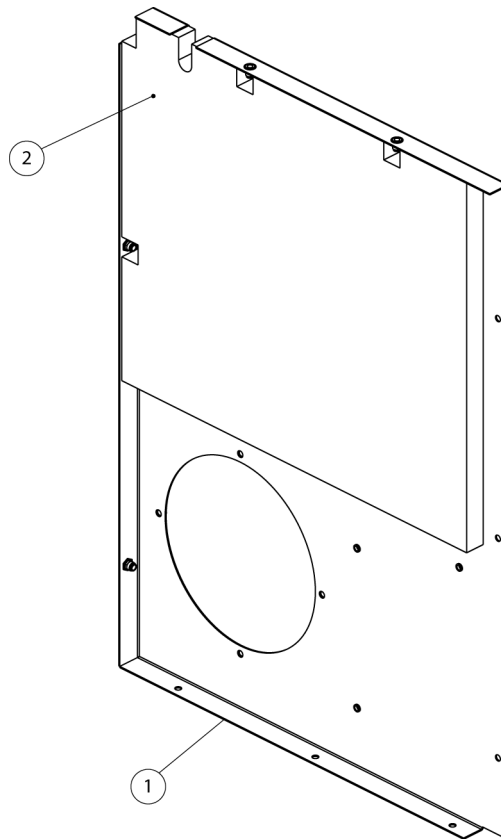
(Dwg. 22460745E1)

PARTS LIST

Item	Part No.	Description	Qty.
1	22422000	FOAM, LEFT PANEL, 25.4 mm THICK	1
2	22398325	PANEL, LEFT SIDE (STD. ENCLOSURE)	1

BLOWER PANEL (SHEET METAL/FOAM) 10-15 HP ASSEMBLY DRAWING AND PARTS LIST

Assembly Blower Panel



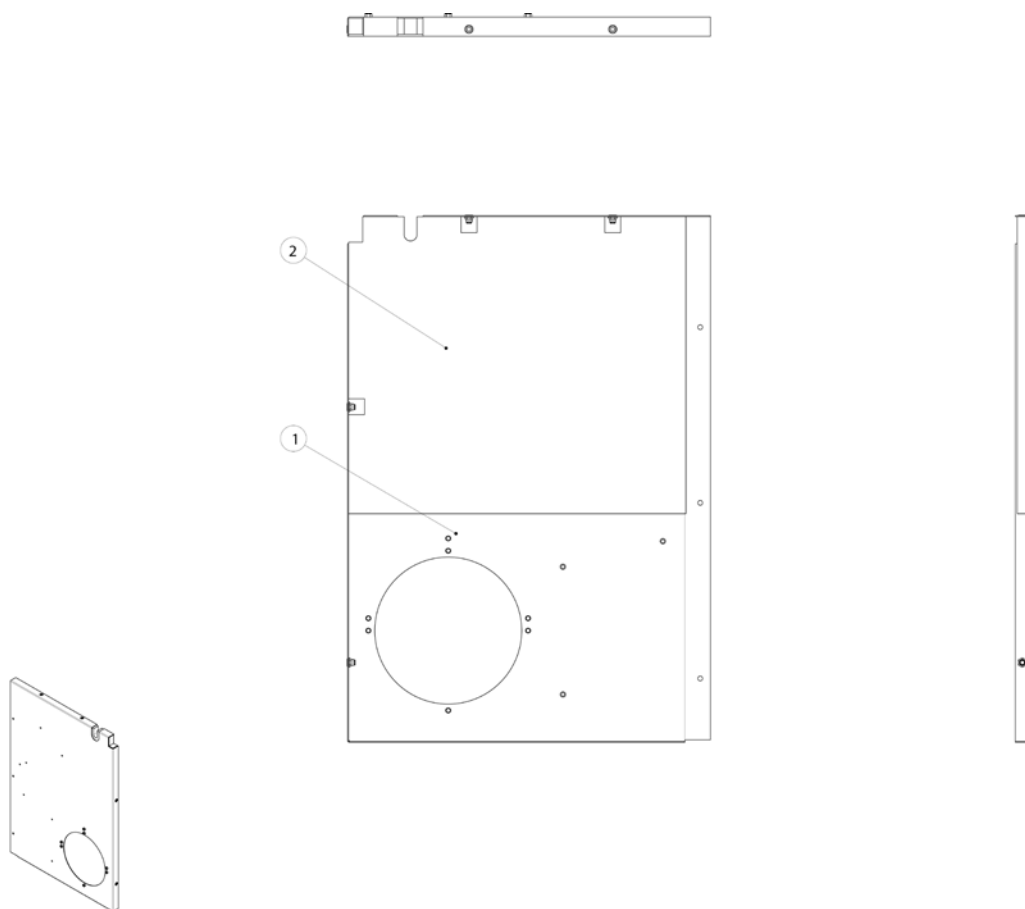
(Dwg. 22460752D1)

PARTS LIST

Item	Part No.	Description	Qty.
1	22317788	ASSY, BLOWER PANEL, UP-SERIES 10/15 hp	1
2	22421994	FOAM, BLOWER PANEL, 25.4 mm THICK	1

BLOWER PANEL (SHEET METAL/FOAM) 4-11 KW ASSEMBLY DRAWING AND PARTS LIST

Assembly Blower Panel



THIS VIEW SHOWN FOR
REFERENCE ONLY

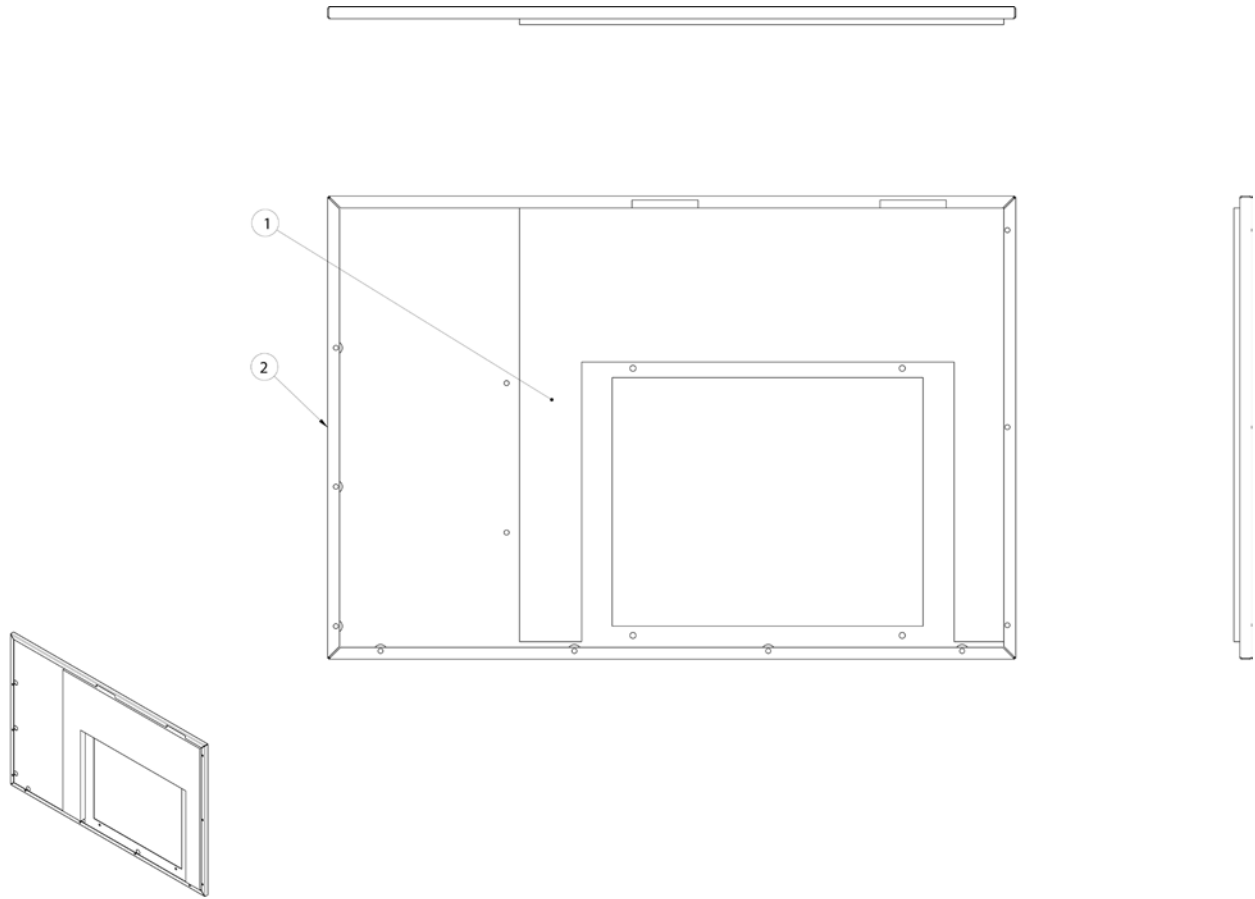
(Dwg. 22460760D1)

PARTS LIST

Item	Part No.	Description	Qty.
1	22460034	PANEL, BLOWER INLET MTG. UP-SERIES 4/11 kW	1
2	22421994	FOAM, BLOWER PANEL, 25.4 mm THICK	1

TOP PANEL (SHEET METAL/FOAM) ASSEMBLY DRAWING AND PARTS LIST

Assembly Top Panel



THIS VIEW IS SHOWN FOR
REFERENCE ONLY

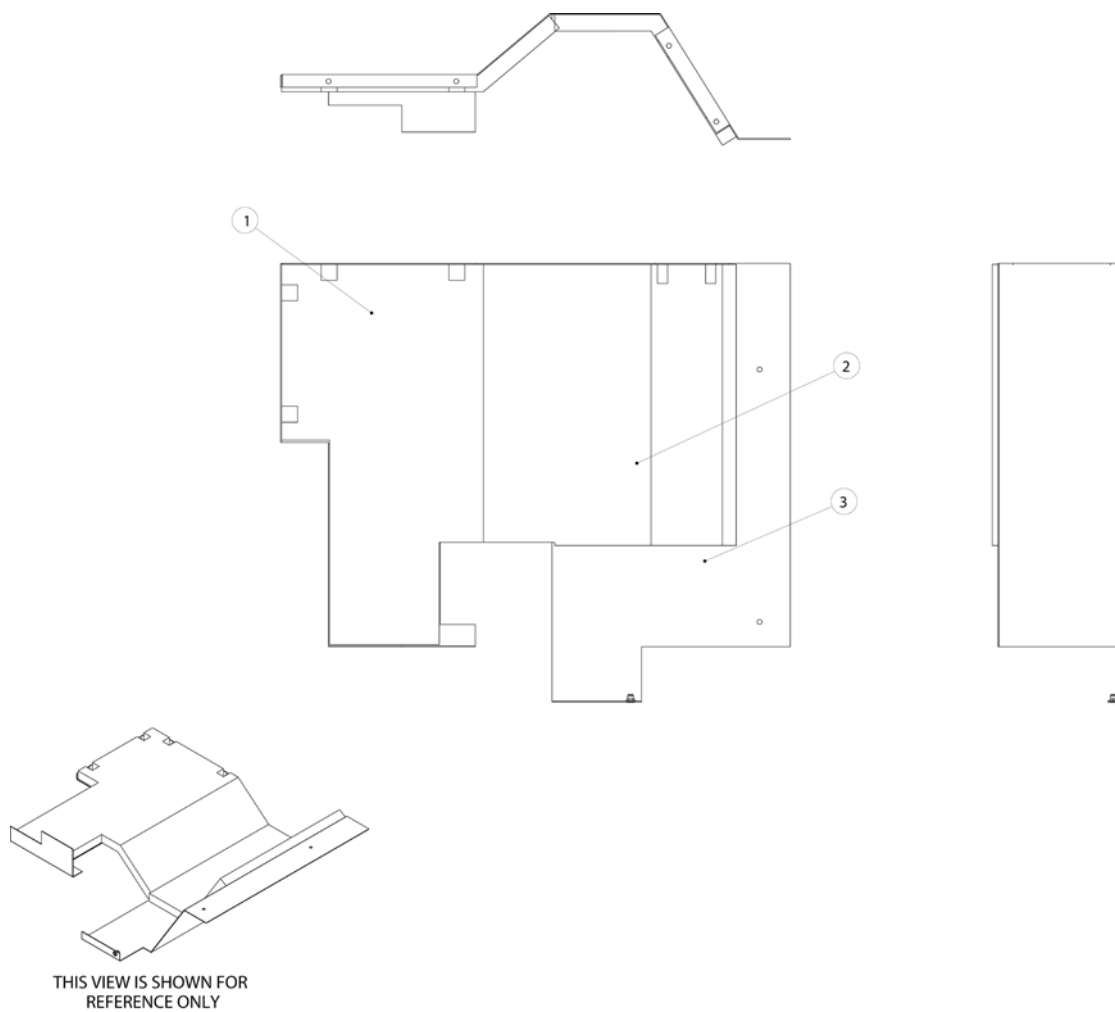
(Dwg. 22460778D1)

PARTS LIST

Item	Part No.	Description	Qty.
1	22420640	FOAM, TOP PANEL, 25.4 mm THICK	1
2	22398341	PANEL, TOP CE55 PROJECT X -EM	1

DIVIDER PANEL (SHEET METAL/FOAM) ASSEMBLY DRAWING AND PARTS LIST

Assembly Driver Panel



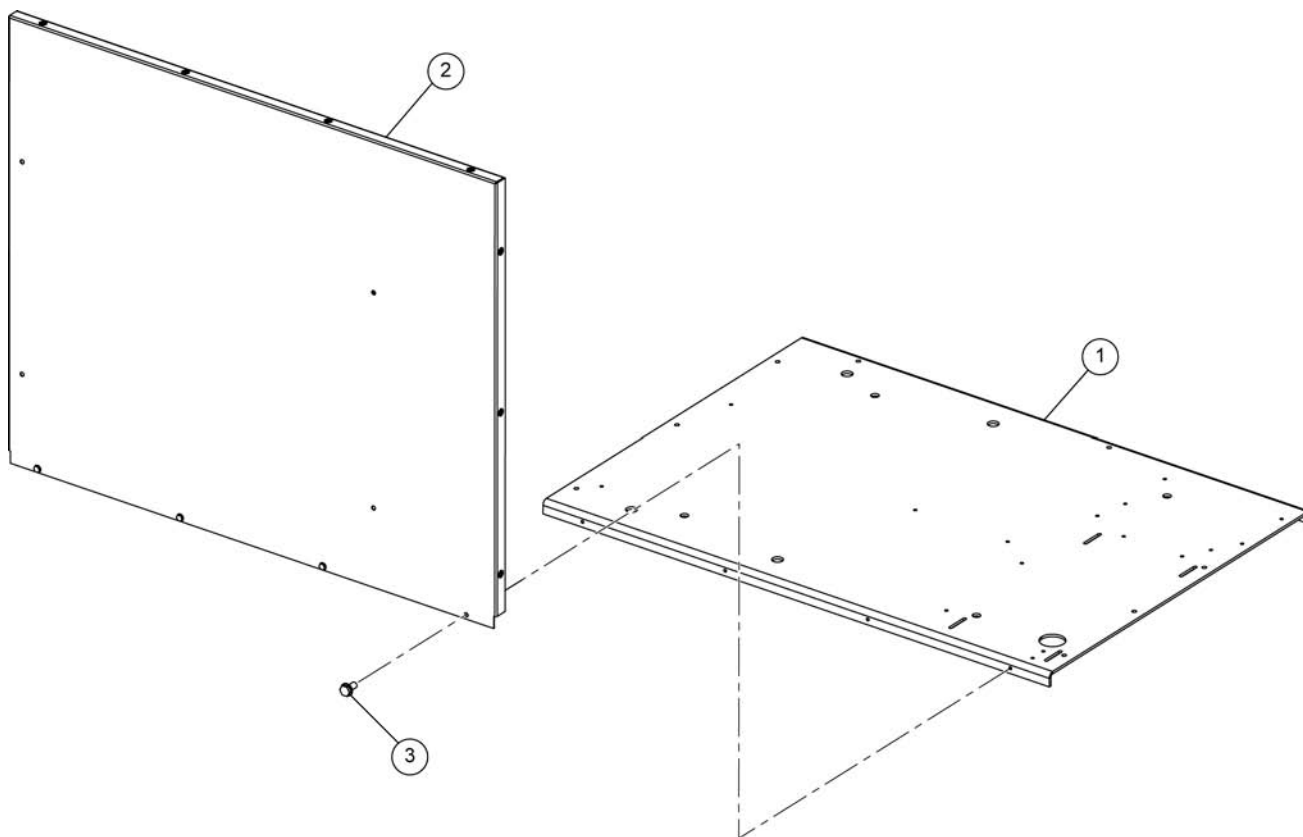
(Dwg. 22460786E1)

PARTS LIST

Item	Part No.	Description	Qty.
1	22385686	FOAM, CENTER PANEL, LOWER 25.4 mm THICK	1
2	22386437	FOAM, CENTER PANEL, UPPER 25.4 mm THICK	1
3	22357354	PANEL, DIVIDER AIREND/MOTOR	1

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Back Panel to Base



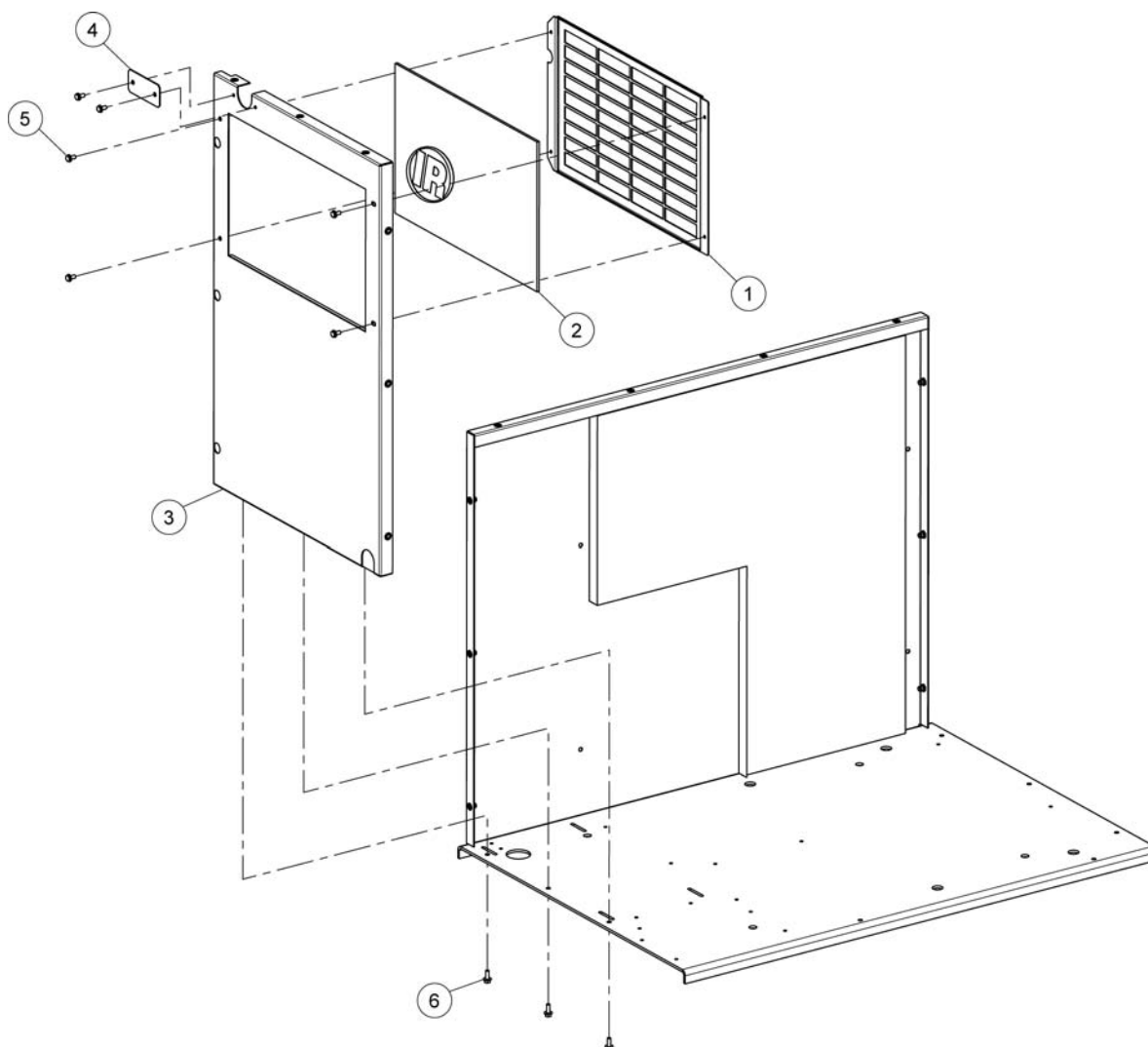
(Dwg. 22426928H2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22313001	BASE, UP-SERIES 5-15 hp (TANK MOUNT)	1
	22311872	BASE, UP-SERIES 5-15 hp (FLOOR MOUNT)	1
2	22460729	ASSEMBLY, BACK PANEL (SHEET METAL/FOAM)	1
3	92368687	TAPTITE SCREW M6 x 1 x 12 LG	4

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Left End Panel to Base



(Dwg. 22426928H3)

PARTS LIST

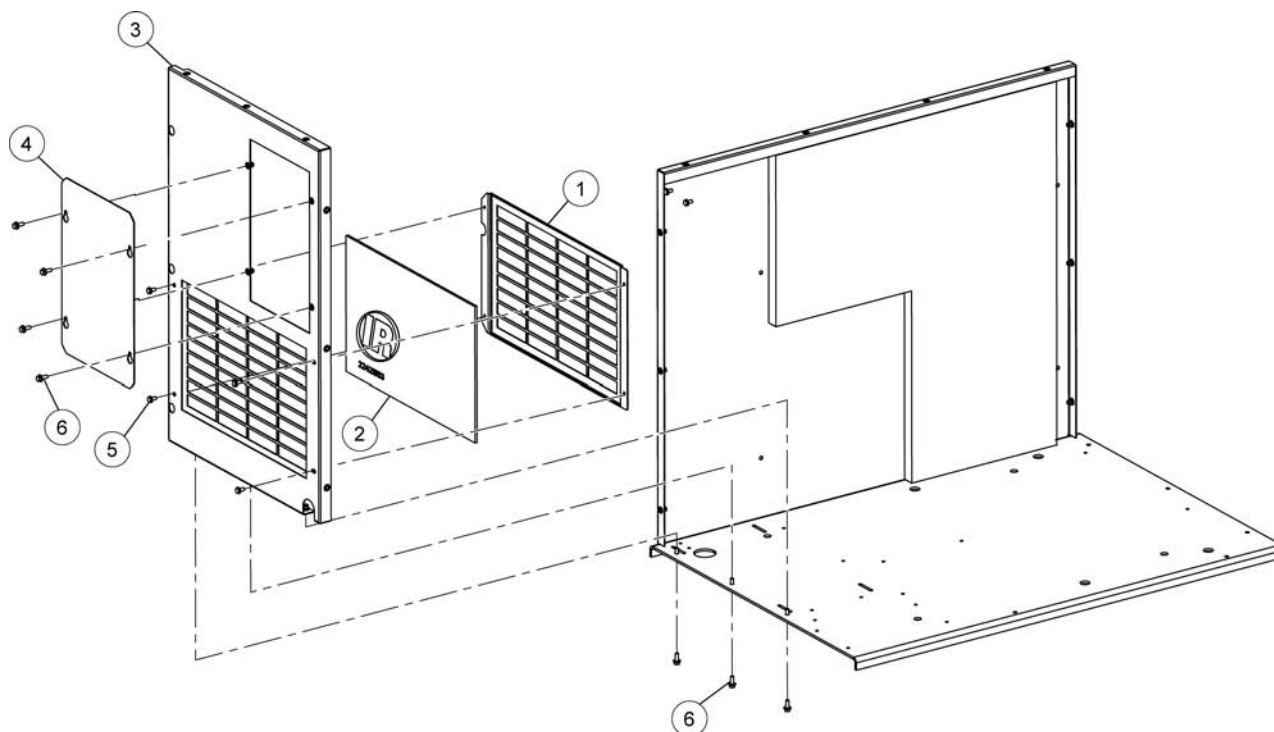
Item	Part No.	Description	Qty.
1	22421143	TRAY, PANEL FILTER UP-SERIES 5-15 hp	1
2	22421853	PAD, PRE-FILTER COMPRESSOR INLET	1
3	22460745	ASSEMBLY, LEFT PANEL (SHEET METAL/FOAM)	1
4	22593354	COVER, DISCHARGE OPENING (TANK MOUNTED STD. PKGS.)	1
5	92368687	TAPTITE SCREW M6 x 1 x 12 LG	6
6	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	3

NOTE:

COVER 22593354 AND SCREWS 92368687 REQUIRED FOR 20" TANK APPLICATION

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Left End Panel to Base (Dryer)



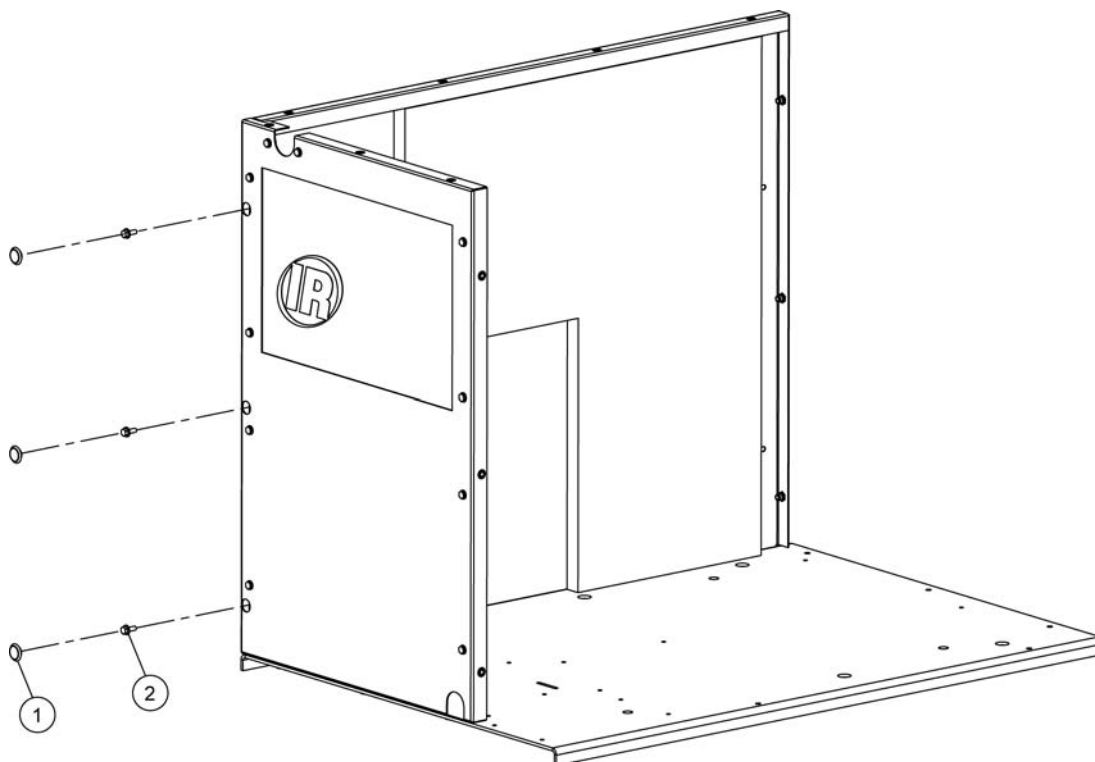
(Dwg. 22426928H4)

PARTS LIST

Item	Part No.	Description	Qty.
1	2421143	TRAY, PANEL FILTER UP-SERIES 5-15 hp	1
2	22421853	PAD, PRE-FILTER COMPRESSOR INLET	1
3	22481485	PANEL, LEFT END (UP-SERIES W/DRYER)	1
4	22481493	COVER, ACCESS (DRYER FILTERS)	1
5	92368687	TAPTITE SCREW M6 x 1 x 12 LG	4
6	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	7

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Left Panel Side Mtg. Screws and Caps



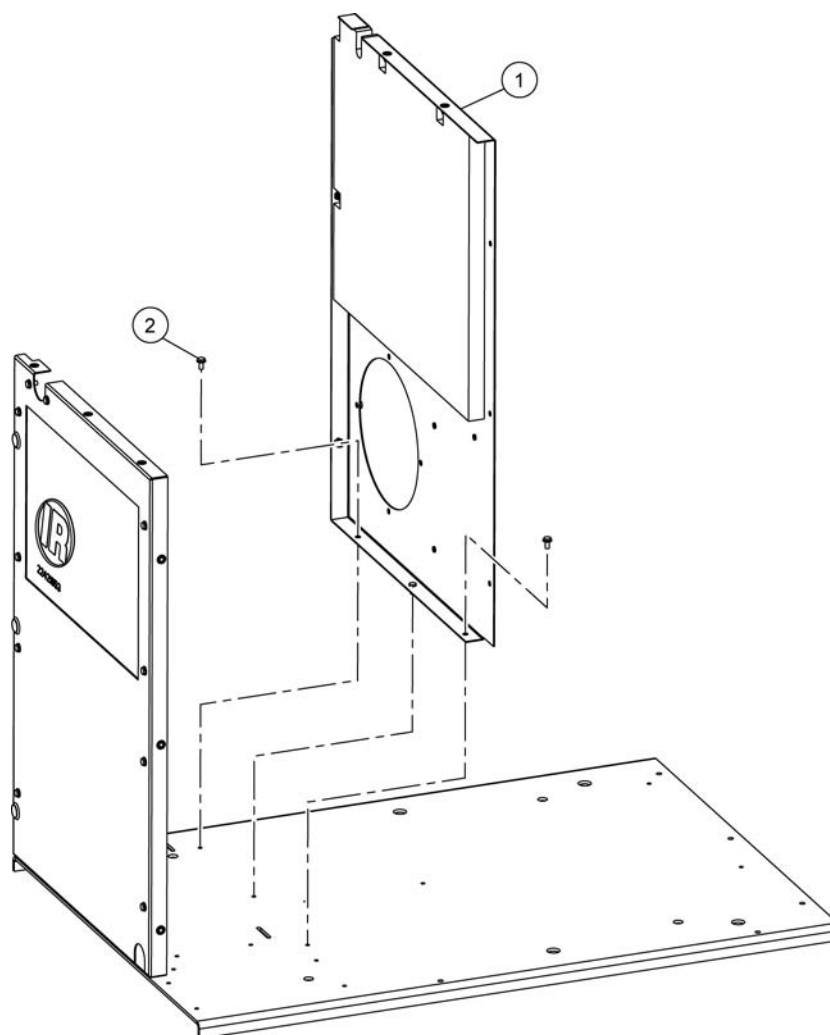
(Dwg. 22426928H5)

PARTS LIST

Item	Part No.	Description	Qty.
1	22053433	CAP, PLASTIC 18 mm HOLE	3
2	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	3

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Blower Inlet Panel to Base



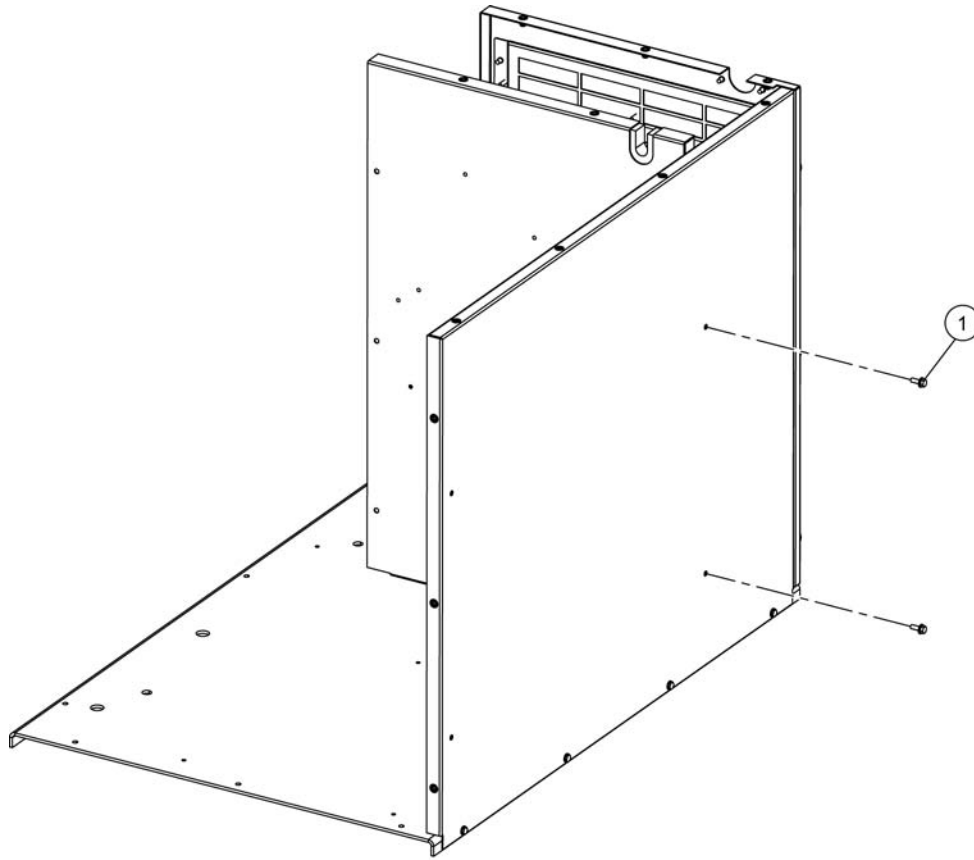
(Dwg. 22426928H6)

PARTS LIST

Item	Part No.	Description	Qty.
1	22460752	ASSEMBLY, BLOWER PANEL 15 hp 60 Hz, 10 hp 60 Hz (W/O DRYER, W/FOAM)	1
	22317788	ASSEMBLY, BLOWER PANEL 15 hp 60 Hz, 10 hp 60 Hz (W/DRYER, NO FOAM)	1
	22460760	ASSEMBLY, BLOWER PANEL 7.5/11 kW 50 Hz, 4/5.5 kW 50 Hz (W/O DRYER, W/FOAM)	1
	22460034	ASSEMBLY, BLOWER PANEL 7.5/11 kW 50 Hz, 4/5.5 kW 50 Hz (W/DRYER, NO FOAM)	1
	45462660	ASSEMBLY, BLOWER PANEL 5/7.5 hp 60 Hz (W/O DRYER, W/FOAM)	1
	22394506	ASSEMBLY, BLOWER PANEL 5/7.5 hp 60 Hz (W/DRYER, NO FOAM)	1
2	92368687	TAPTITE SCREW M6 x 1 x 12 LG	3

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Blower Inlet Panel Back Mtg. Screws



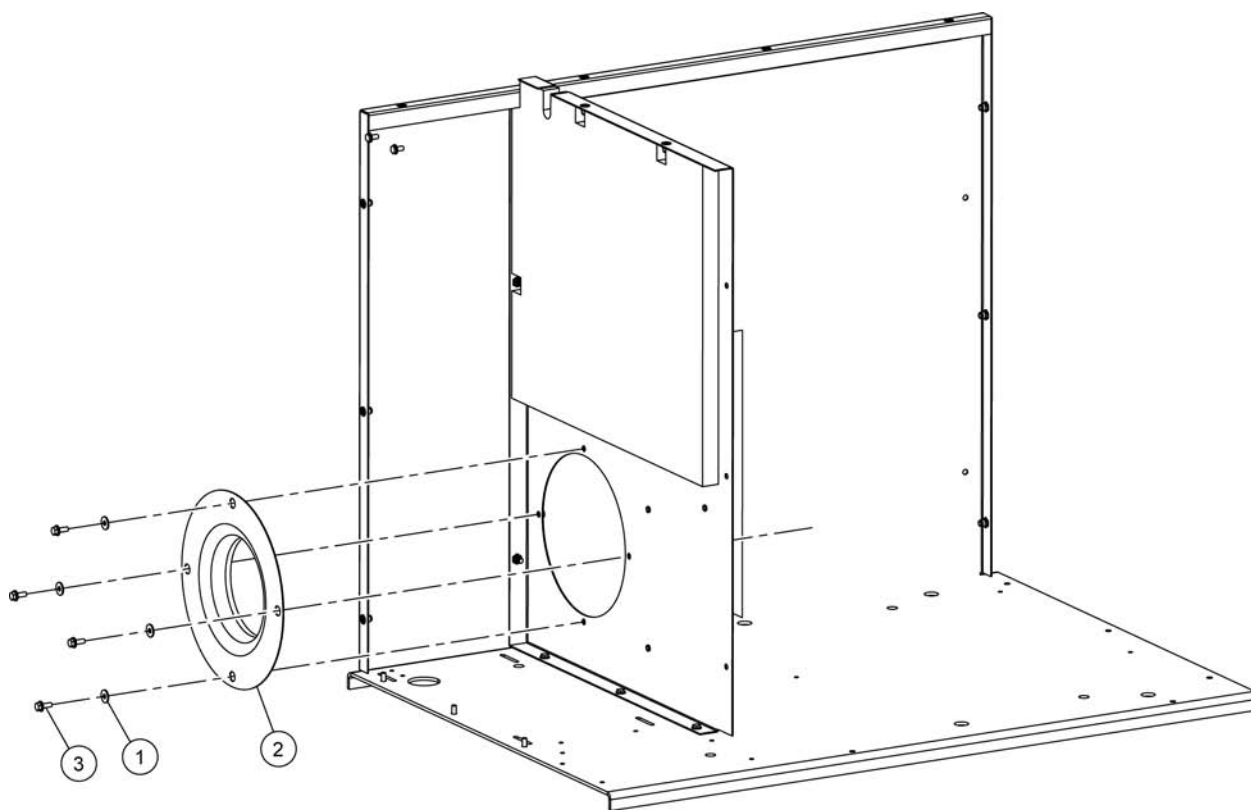
(Dwg. 22426928H7)

PARTS LIST

Item	Part No.	Description	Qty.
1	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	2

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Blower Inlet Cone 60 Hz



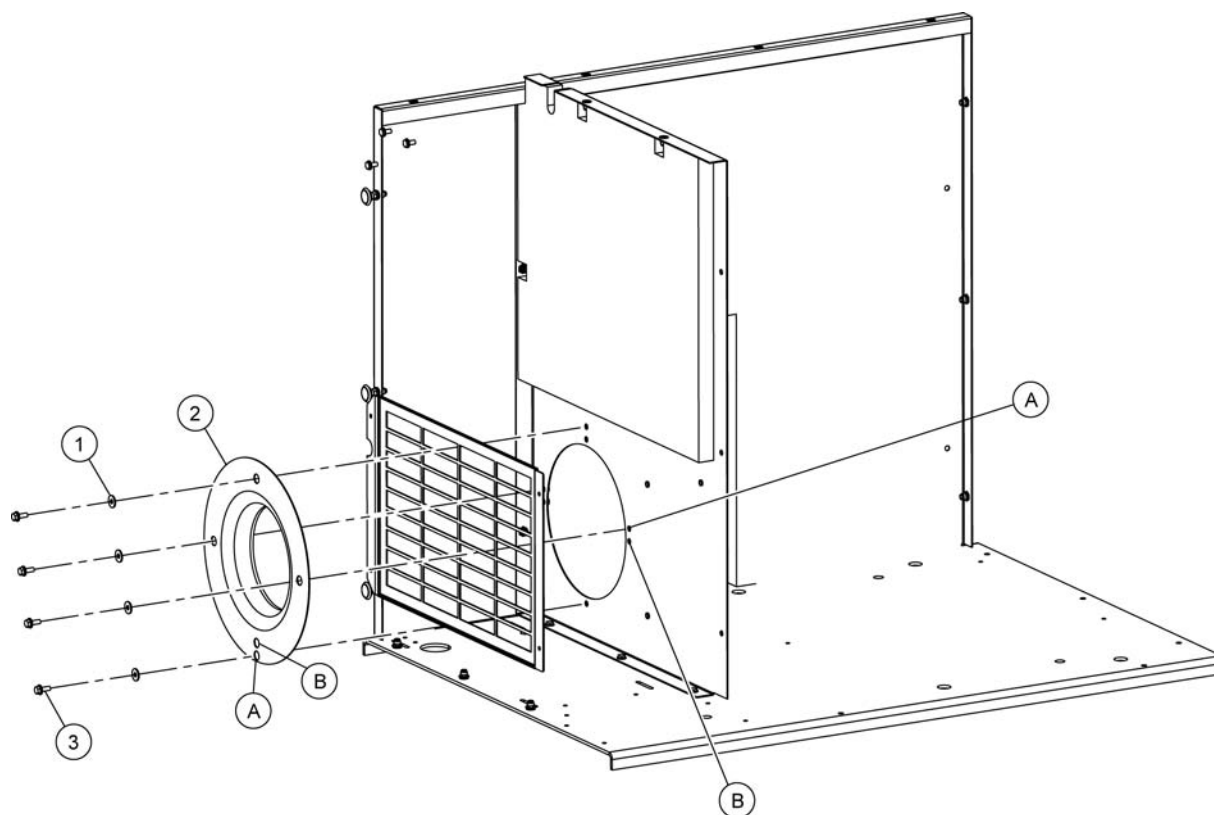
(Dwg. 22426928H8)

PARTS LIST

Item	Part No.	Description	Qty.
1	14084123	WASHER, LARGE M6 NO CHAMFER	4
2	22348239	CONE, INLET, 15 hp 60 Hz 10 hp 60 Hz	1
	22348221	CONE, INLET, 5/7.5 hp 60 Hz	1
3	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	4

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Blower Inlet Cone 50 Hz



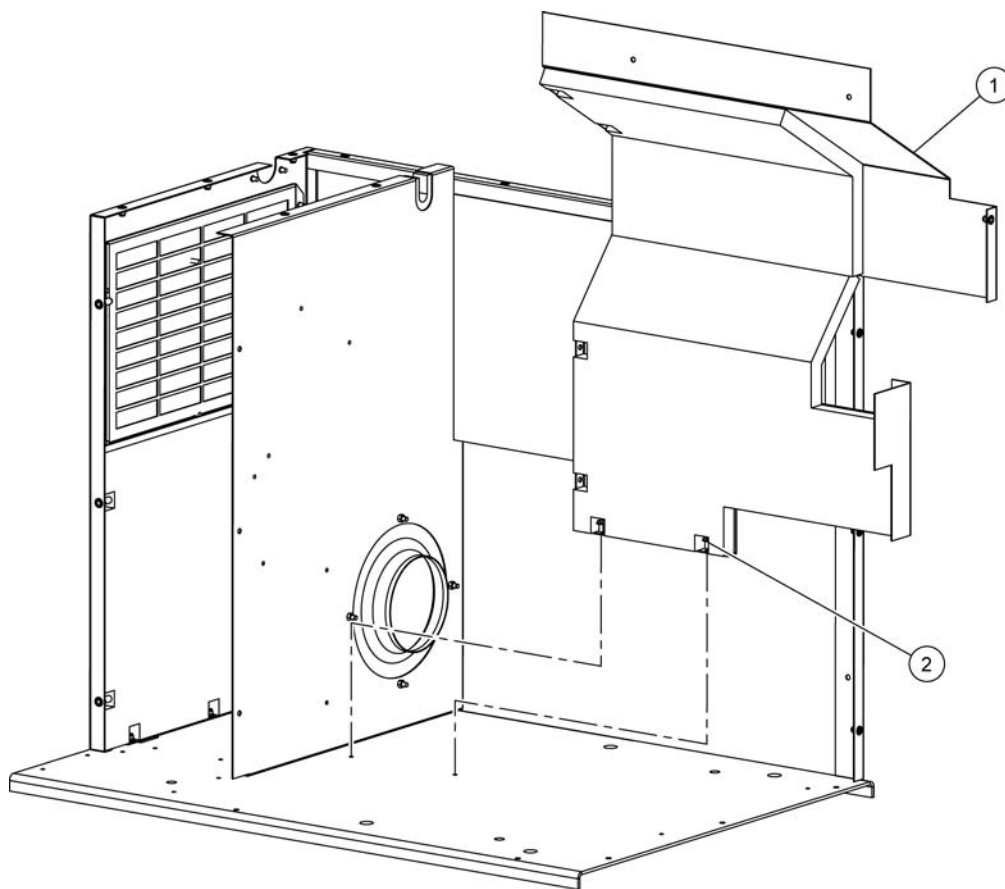
(Dwg. 22426928H9)

PARTS LIST

Item	Part No.	Description	Qty.
1	14084123	WASHER, LARGE M6 NO CHAMFER	4
2	22348239	CONE, INLET, 4.5.5 kW 50 Hz (B)	1
	22348247	CONE, INLET, 7.5/11 kW 50 Hz (A)	1
3	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	4

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Divider Panel



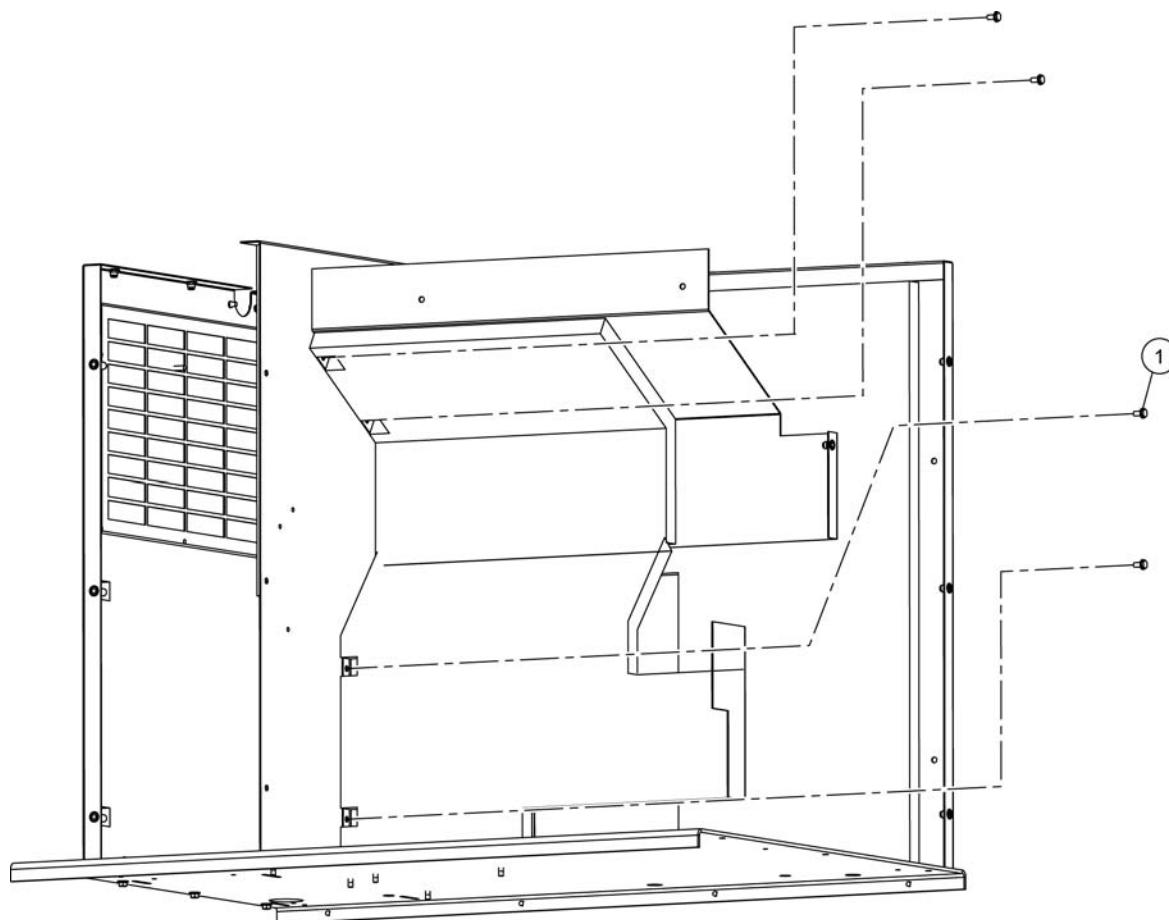
(Dwg. 22426928H10)

PARTS LIST

Item	Part No.	Description	Qty.
1	22460786	ASSEMBLY, DIVIDER PANEL (SHEET METAL/FOAM)	1
2	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Divider Panel Side Mtg. Screws



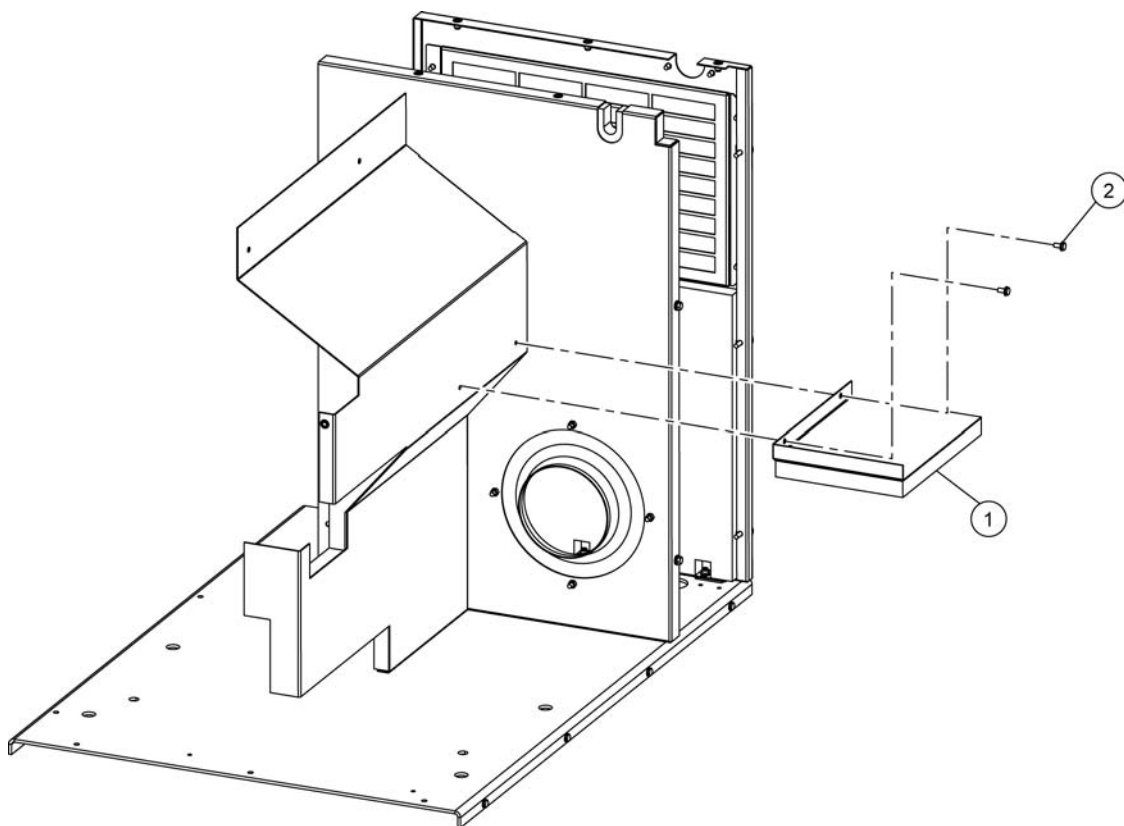
(Dwg. 22426928H11)

PARTS LIST

Item	Part No.	Description	Qty.
1	92368687	TAPTITE SCREW M6 x 1 x 12 LG	4

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Motor Noise Reduction Panel



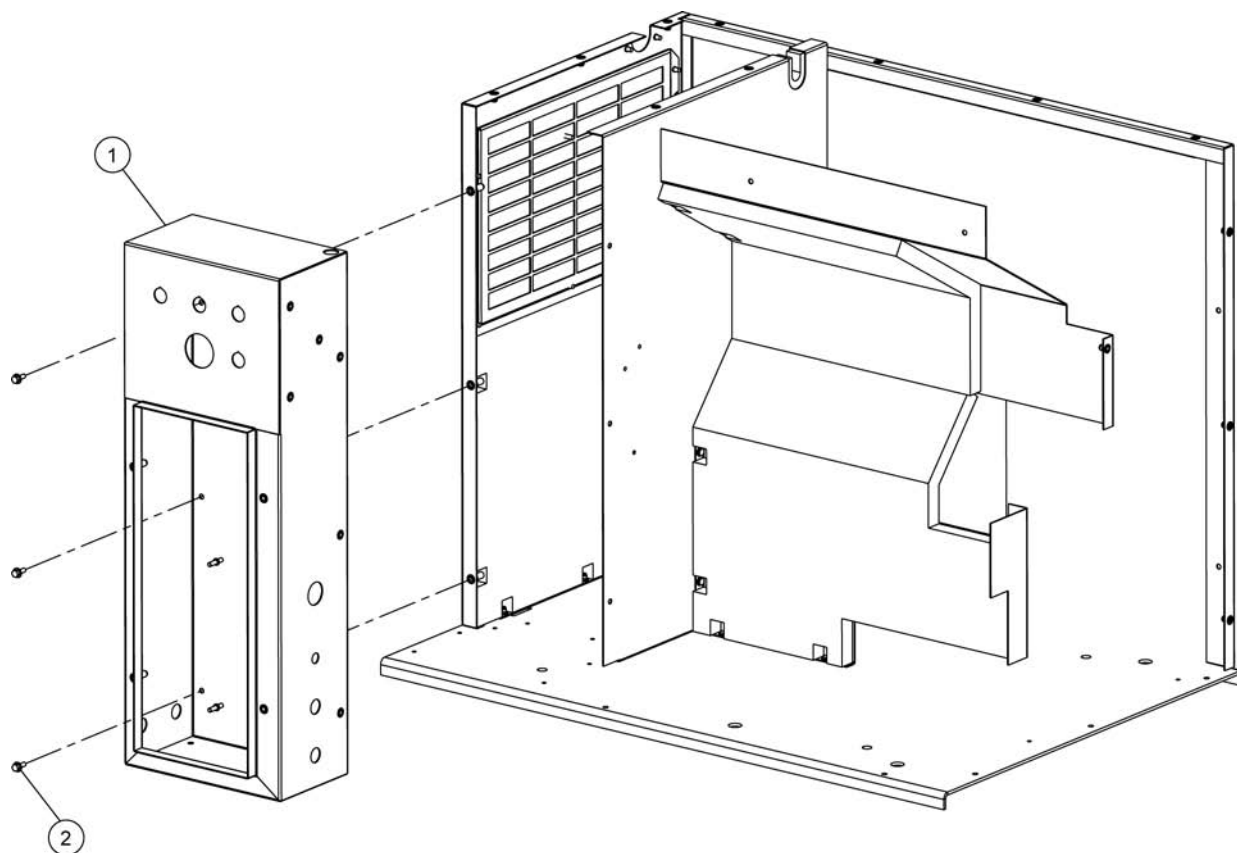
(Dwg. 22426928H12)

PARTS LIST

Item	Part No.	Description	Qty.
1	22460737	ASSEMBLY, MOTOR PANEL (SHEET METAL/FOAM)	1
2	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Starter Box to Main Enclosure



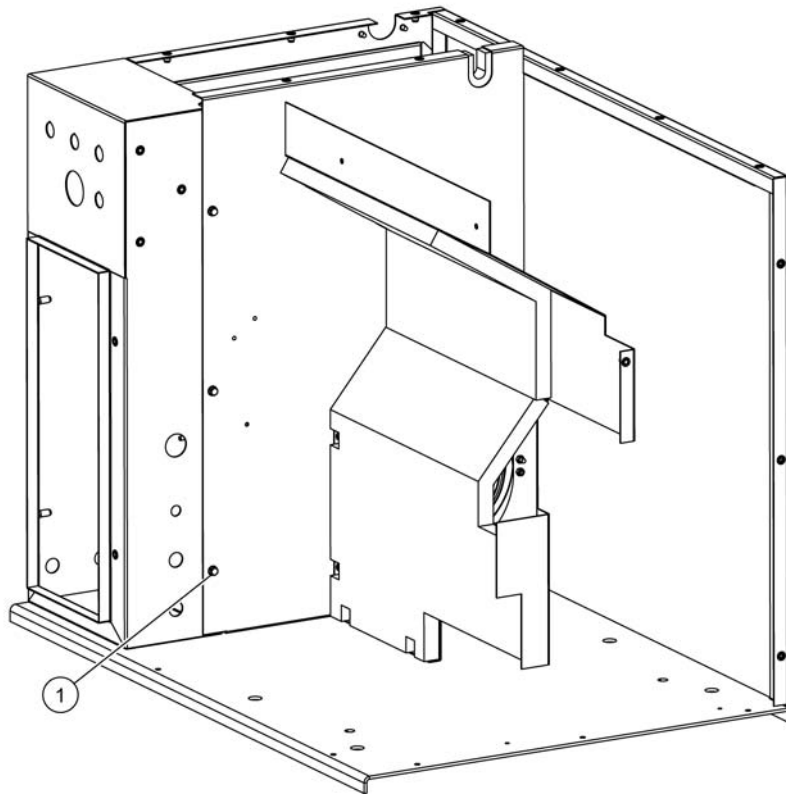
(Dwg. 22426928H13)

PARTS LIST

Item	Part No.	Description	Qty.
1	22513428	ASSY, STARTER BOX UP-SERIES 5-15 hp	1
2	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	3

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Starter Box Side Mtg. Screws



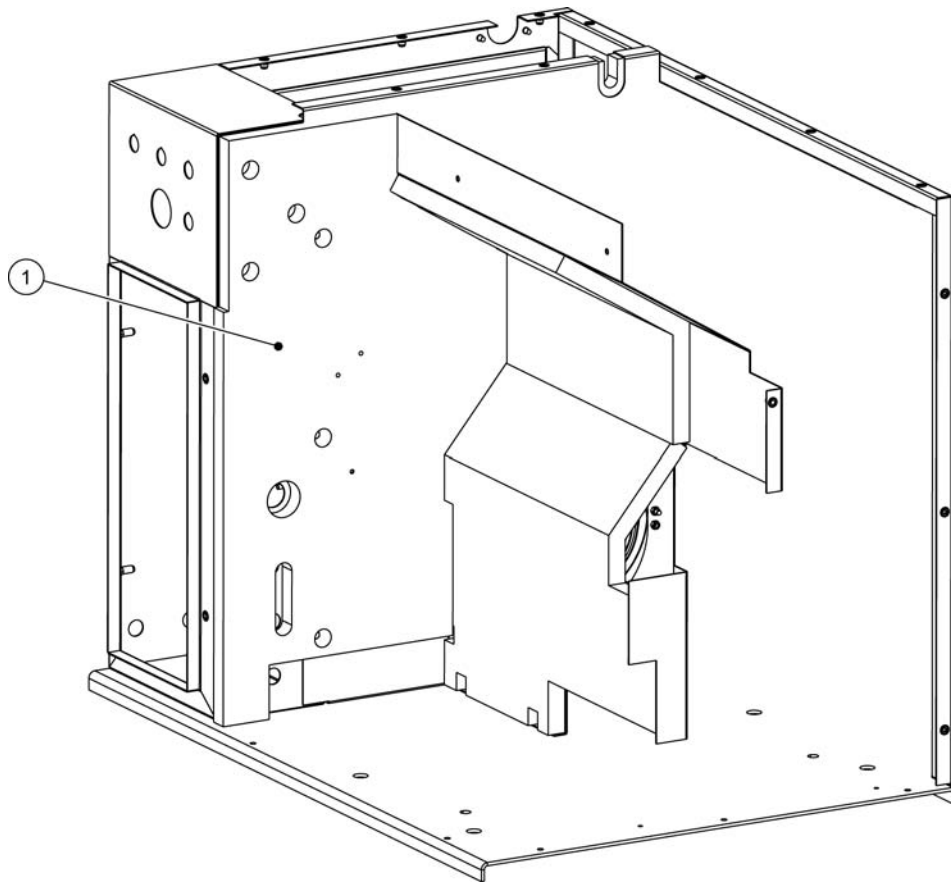
(Dwg. 22426928H14)

PARTS LIST

Item	Part No.	Description	Qty.
1	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	3

ENCLOSURE (UP-SERIES) DRAWING AND PARTS LIST

Assemble Starter Box /bBower Panel Foam



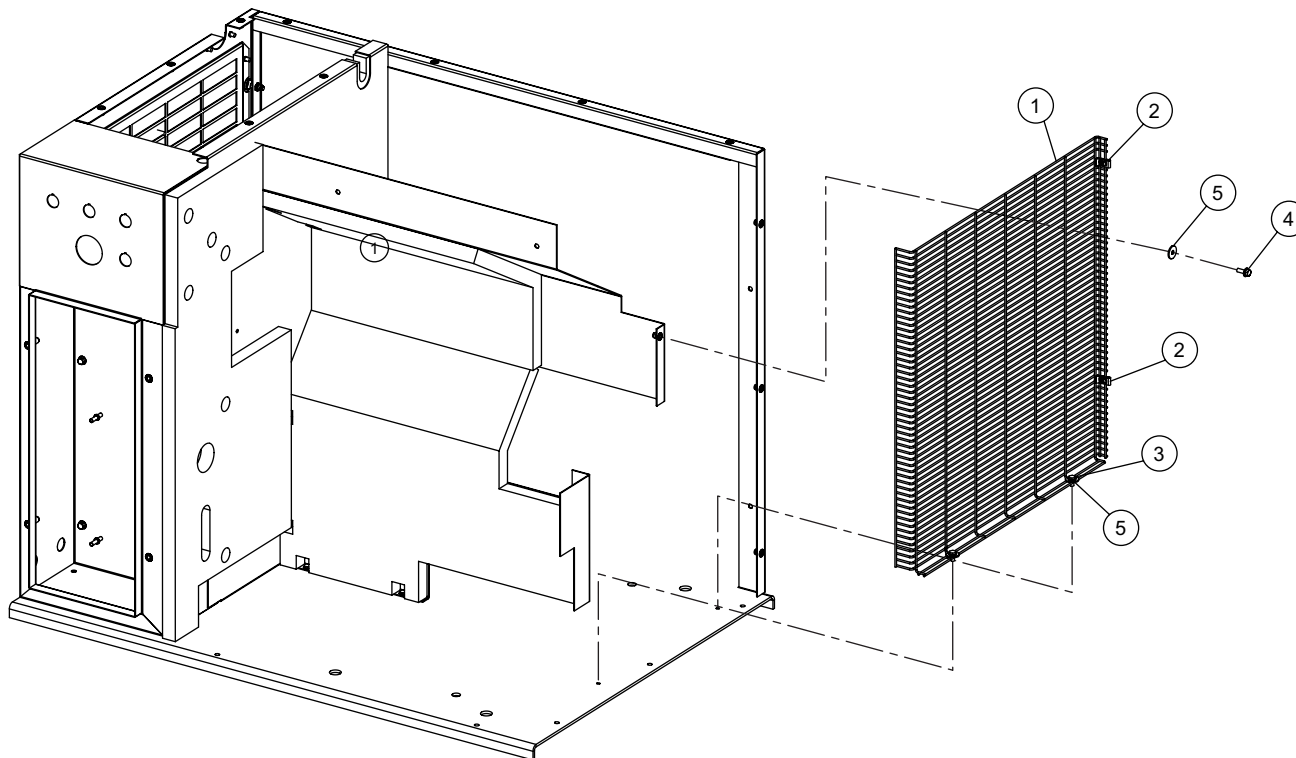
(Dwg. 22426928H15)

PARTS LIST

Item	Part No.	Description	Qty.
1	22386429	FOAM, STARTER BOX PANEL 25.4 mm THICK	1

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Wire Beltguard to Enclosure

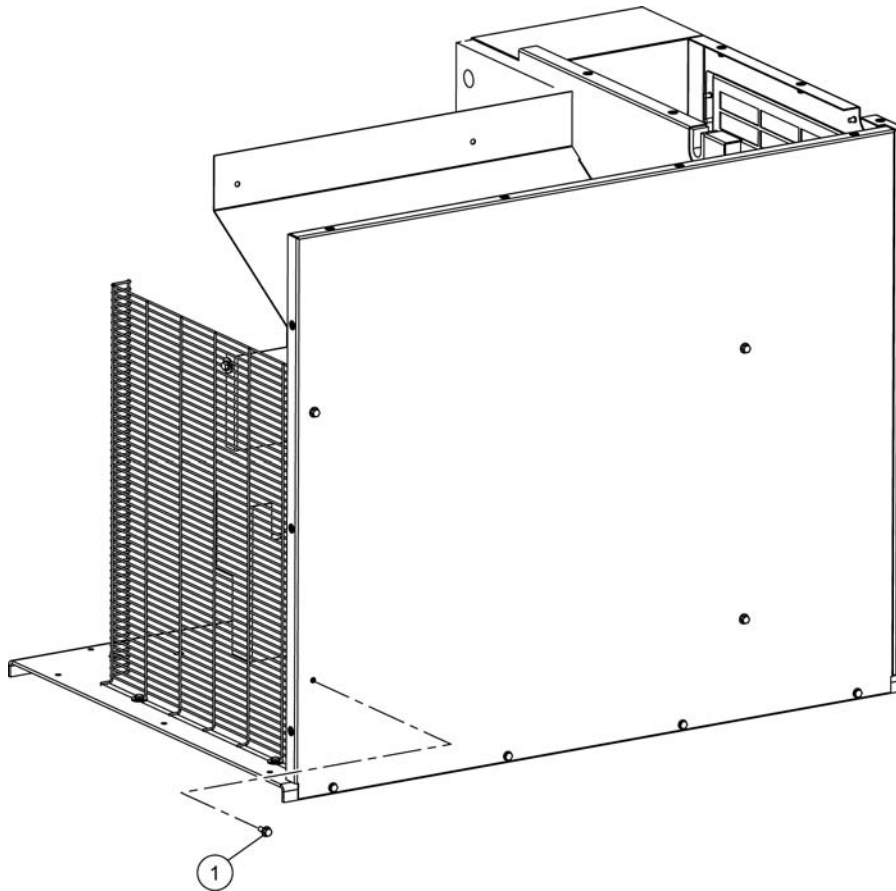


(Dwg. 22426928H16)

PARTS LIST

Item	Part No.	Description	Qty.
1	22401244	GUARD, BELT UP-SERIES 5-15 hp	1
2	85582823	FASTENER, U-TYPE M6 x 1	2
3	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2
4	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	1
5	96745559	WASHER, LARGE OUTSIDE DIAMETER PRODUCT GRADE C M6	3

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Beltguard Back Mtg. Screws

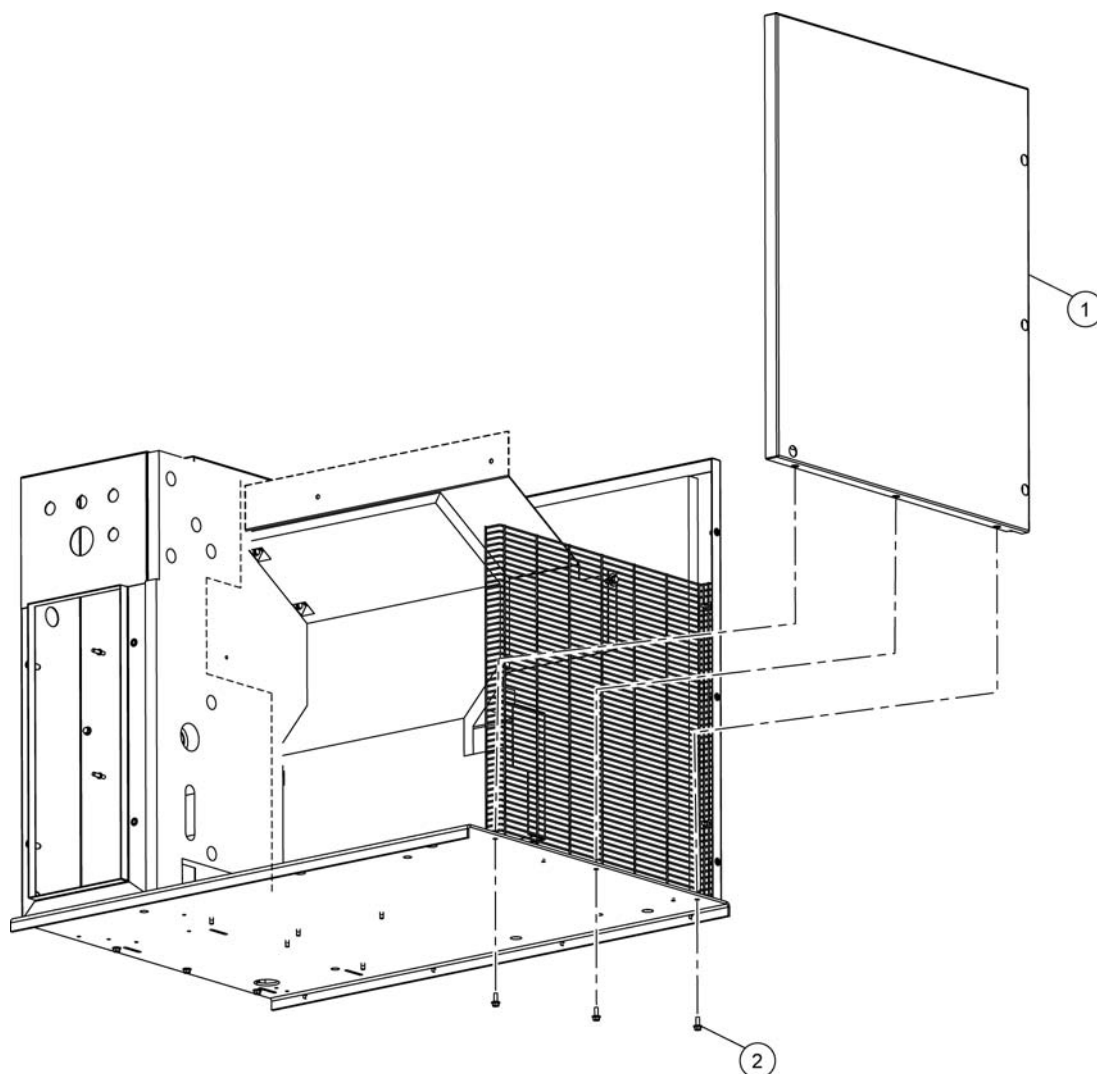
(Dwg..22426928H17)

PARTS LIST

Item	Part No.	Description	Qty.
1	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	2

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Right Side Panel to Base



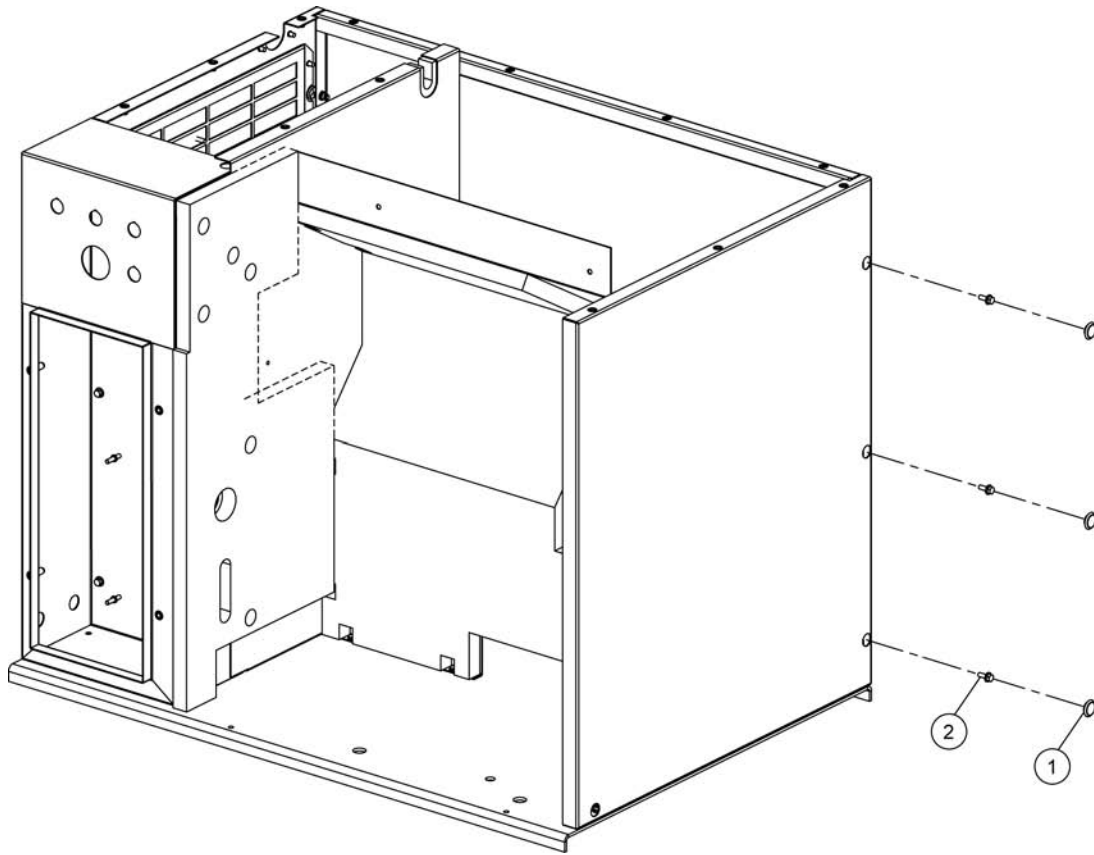
(Dwg. 22426928H18)

PARTS LIST

Item	Part No.	Description	Qty.
1	22460711	ASSEMBLY, RIGHT PANEL (SHEET METAL/FOAM)	1
2	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	3

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Right Side Panel Side Mtg. Screws and Caps



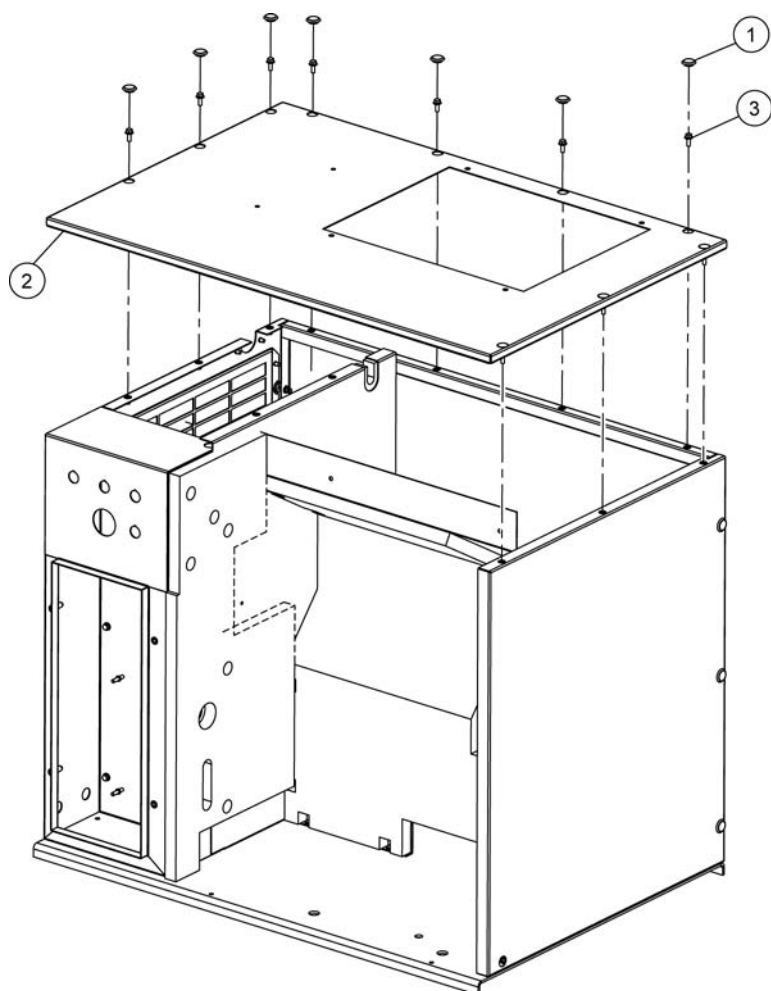
(Dwg. 22426928H19)

PARTS LIST

Item	Part No.	Description	Qty.
1	22053433	CAP, PLASTIC 18 mm HOLE	3
2	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	3

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Top Panel



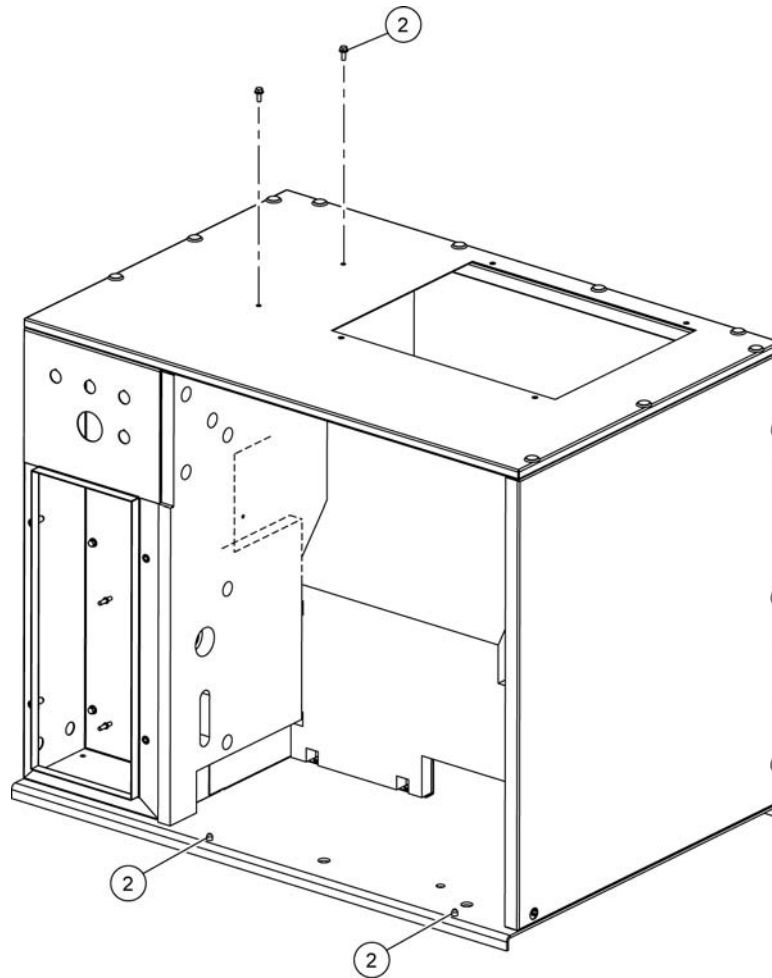
(Dwg. 22426928H20)

PARTS LIST

Item	Part No.	Description	Qty.
1	22053433	CAP, PLASTIC 18 mm HOLE	10
2	22460778	ASSEMBLY, TOP PANEL (SHEET METAL/FOAM)	1
3	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	10

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Blower Panel Top Screws and Front Panel Locator Pins



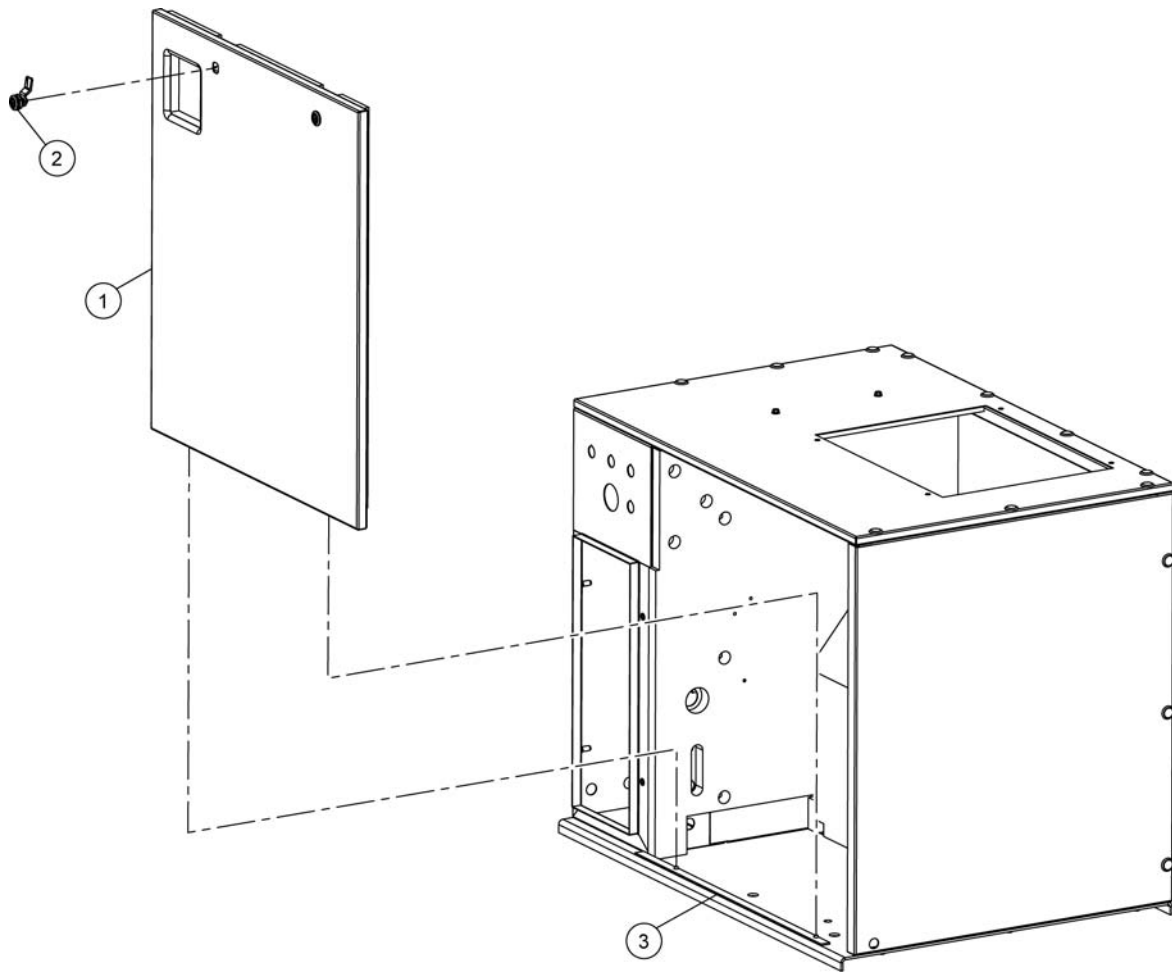
(Dwg. 22426928H21)

PARTS LIST

Item	Part No.	Description	Qty.
1	39138490	PIN, LOCATOR 0.375"	2
2	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	2

ENCLOSURE (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Front Panel and Latches



(Dwg. 22426928H22)

PARTS LIST

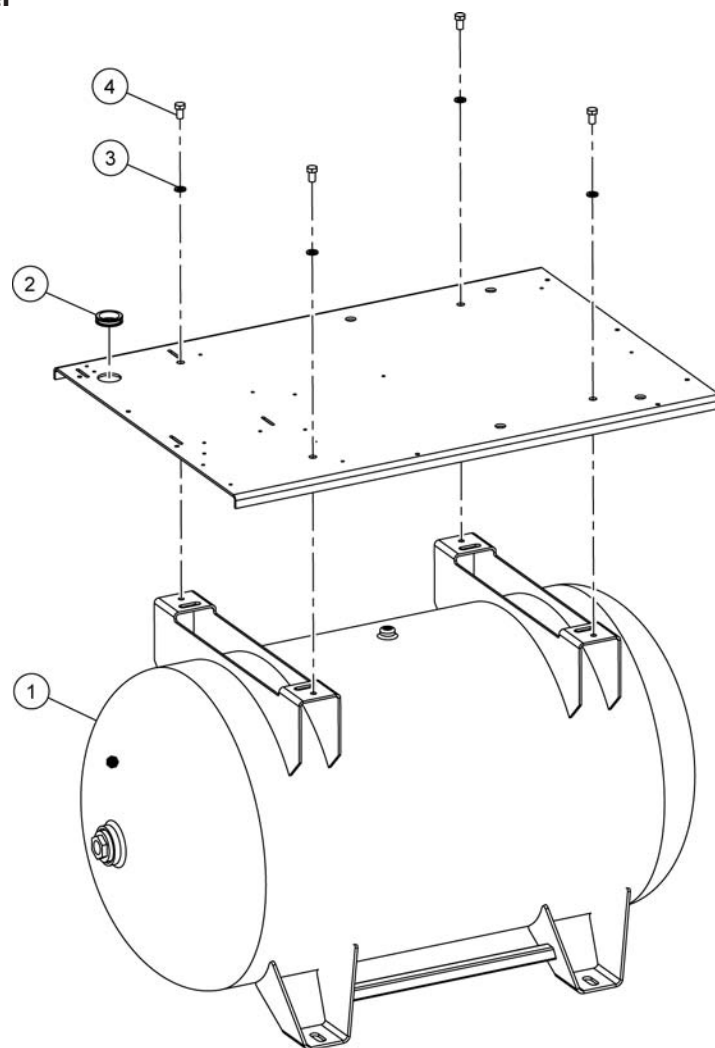
Item	Part No.	Description	Qty.
1	22460703	ASSEMBLY, FRONT PANEL (SHEET METAL/FOAM)	1
2	23180557	LATCH, DOOR (NEMA 4) 28 mm HEAD / 28 mm OFFSET	2
3	85038412	GASKET, 1/8" x 3/4" (27.0" LG.)	1

NOTE:

APPLY ADHESIVE BACKED GASKET TO BOTTOM EDGE OF FRONT PANEL.

AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Base to Receiver



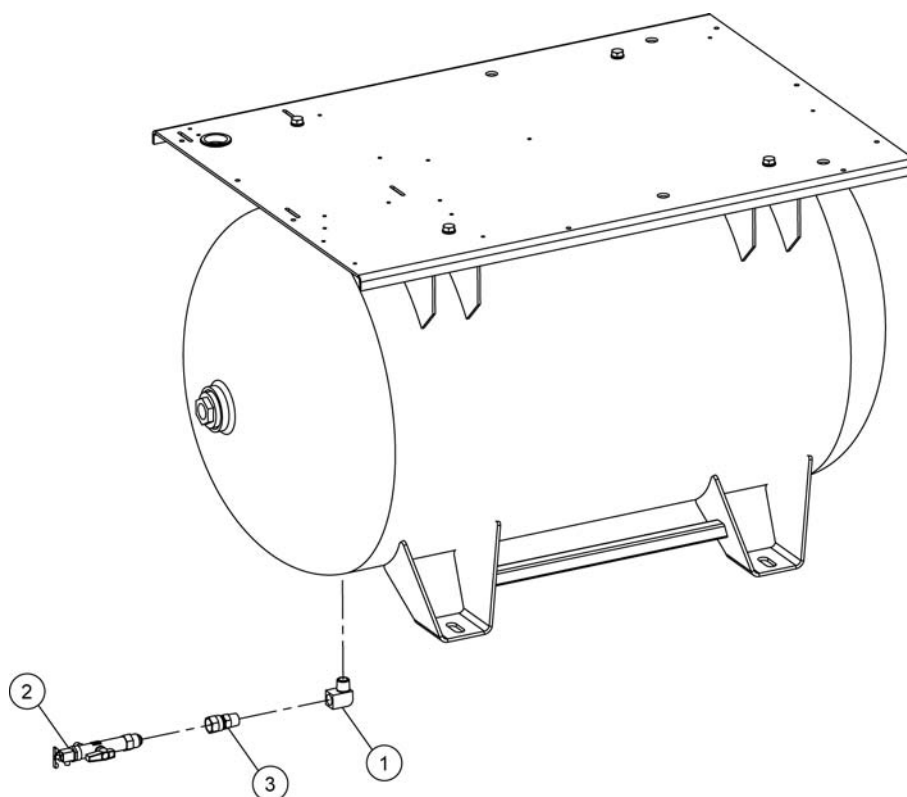
(Dwg. 22426936V2)

PARTS LIST

Item	Part No.	Description	Qty.
1	24246035	80 GAL (ASME) - 20" DIA	1
	22325500	80 GAL (ASME) - 24" DIA	1
	22348296	120 GAL (ASME)	1
	18999805	272 LITRE 11 BAR CHINA	1
	22479430	272 LITRE 11 BAR AUSTRALIA	1
	22505614	272 LITRE 11 BAR SINGAPORE/MALAYSIA	1
	70276951	272 LITRE 11 BAR INDIA	1
	18999813	272 LITRE 16 BAR CHINA	1
	22436307	272 LITRE 16 BAR AUSTRALIA	1
	70276977	272 LITRE 16 BAR INDIA	1
	22348304	272 LITRE ESA	1
	22479448	500 LITRE 11 BAR CHINA	1
	22505580	500 LITRE 11 BAR AUSTRALIA	1
	22505622	500 LITRE 11 BAR SINGAPORE/MALAYSIA	1
	70276969	500 LITRE 11 BAR INDIA	1
	22391023	500 LITRE 16 BAR CHINA	1
	22505606	500 LITRE 16 BAR AUSTRALIA	1
	70276985	500 LITRE 16 BAR INDIA	1
	22348312	500 LITRE ESA	1
2	24161168	GROMMET, INSULATION FOR 1.75" HOLE, 1.5" ID, 2.0" OD	1
3	32346439	WASHER, LOCK - 12 mm	4
4	96719869	SCREW, HEX HEAD M12 - 1.75 x 20.0 LONG	4

AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Electric Drain Valve Assembly



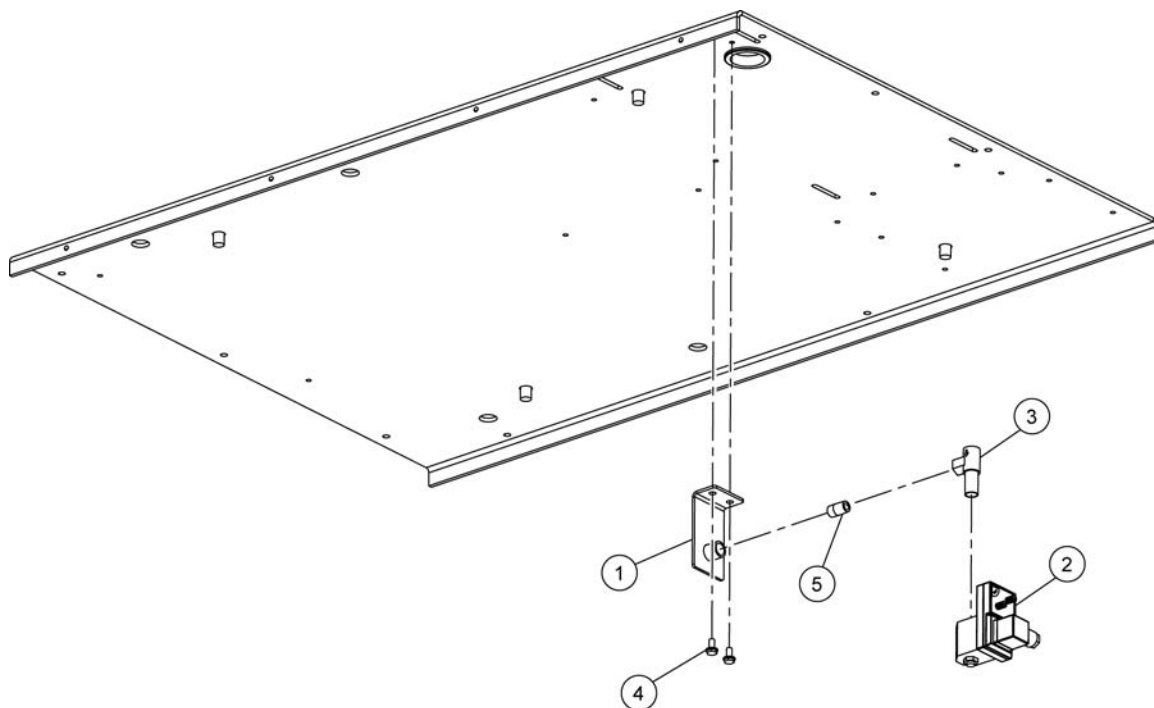
(Dwg. 22426936V3)

PARTS LIST

Item	Part No.	Description	Qty.
1	16545998	ELBOW, STREET, 0.50, 80 GAL (STD)	1
	16545998	ELBOW, STREET, 0.50, 120 GAL (STD)	1
	92354513	ELBOW, STREET, 0.50, 272 LITRE (STD)	1
	92354513	ELBOW, STREET, 0.50, 500 LITRE (STD)	1
2	54579248	ASSY., ELECTRIC DRAIN VALVE	1
3	95989638	CONNECTOR, 0.50, 80 GAL (STD)	1
	95989638	CONNECTOR, 0.50, 120 GAL (STD)	1
	22062327	CONNECTOR, 0.50, 272 LITRE (STD)	1
	22062327	CONNECTOR, 0.50, 500 LITRE (STD)	1

AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Electric Drain Valve Solenoid to Base



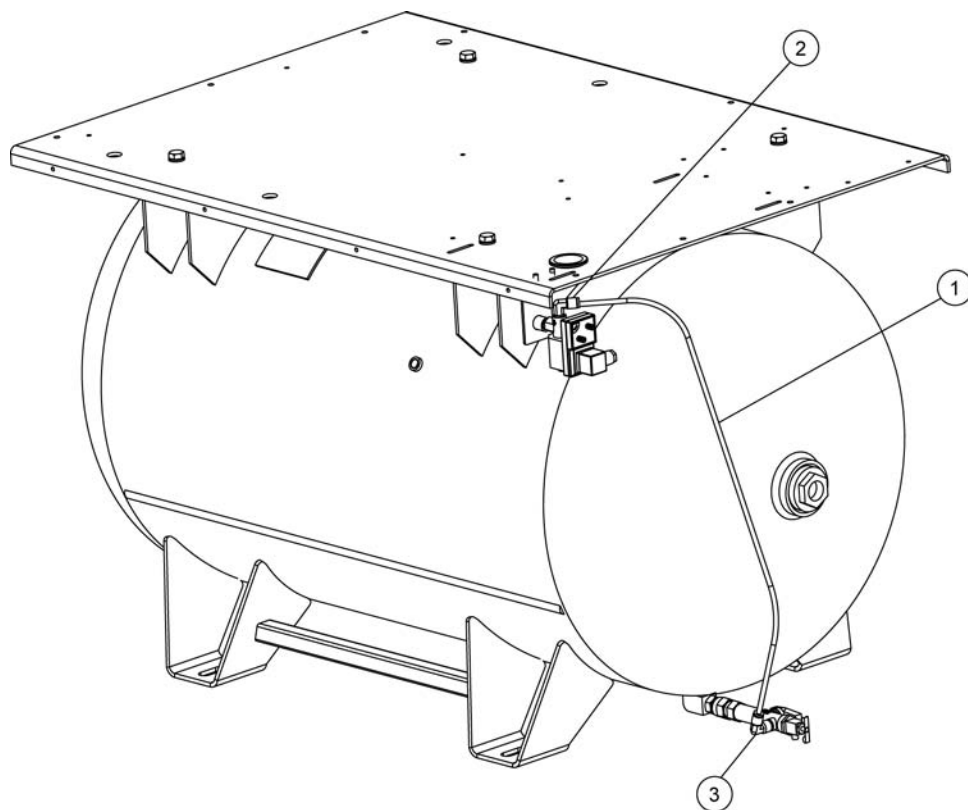
(Dwg. 22426936V4)

PARTS LIST

Item	Part No.	Description	Qty.
1	22457824	BRACKET, MTG. (EDV-2000)UP-SERIES 5-15 hp	1
2	54579248	SOLENOID, EDV (PART OF EDV ASSEMBLY 54579248)	1
3	54579248	TEE, EDV CONNECTOR (PART OF EDV ASSEMBLY 54579248)	1
4	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2
5	95667341	NIPPLE, EXTRA STRONG 0.25 NPT x 0.88 LONG	1

AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Electric Drain Valve Fittings and Tube



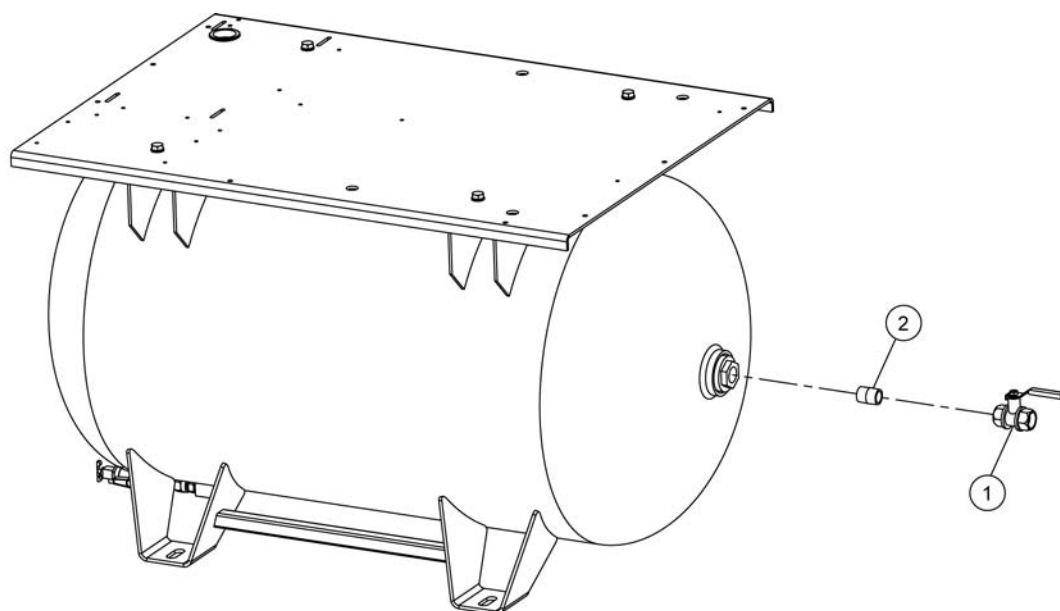
(Dwg. 22426936V5)

PARTS LIST

Item	Part No.	Description	Qty.
1	39124813	TUBE, NYLON 0.25" (BLACK)	2.7 FT.
2	39155478	ELBOW, 0.25 NPT x 0.25 TUBING	1
3	39156336	ELBOW, 0.25 FNPT x 0.25 TUBE	1

AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Receiver Ball Valve



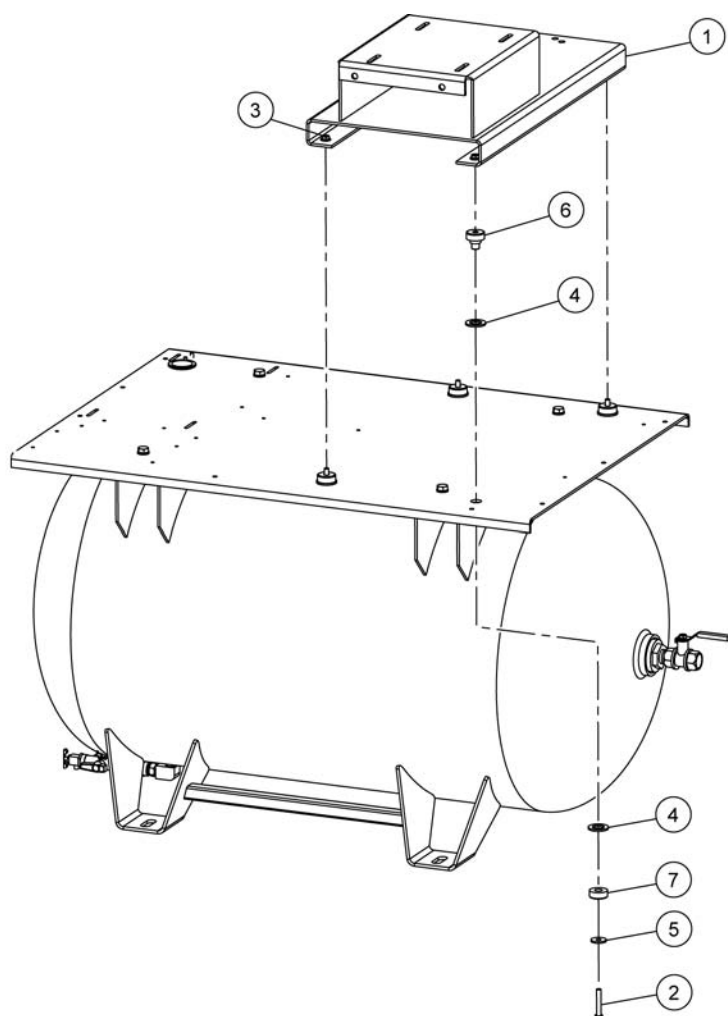
(Dwg. 22426936V6)

PARTS LIST

Item	Part No.	Description	Qty.
1	32106569	VALVE, BALL, 0.75 (GALLON, ASME)	1
	93179661	VALVE, BALL, 0.75 (LITRE)	1
2	95458808	NIPPLE, 0.75 (GALLON, ASME)	1
2	92255934	NIPPLE, 0.75 (LITRE)	1

AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Motor/Airend Isolation Base to Main Base



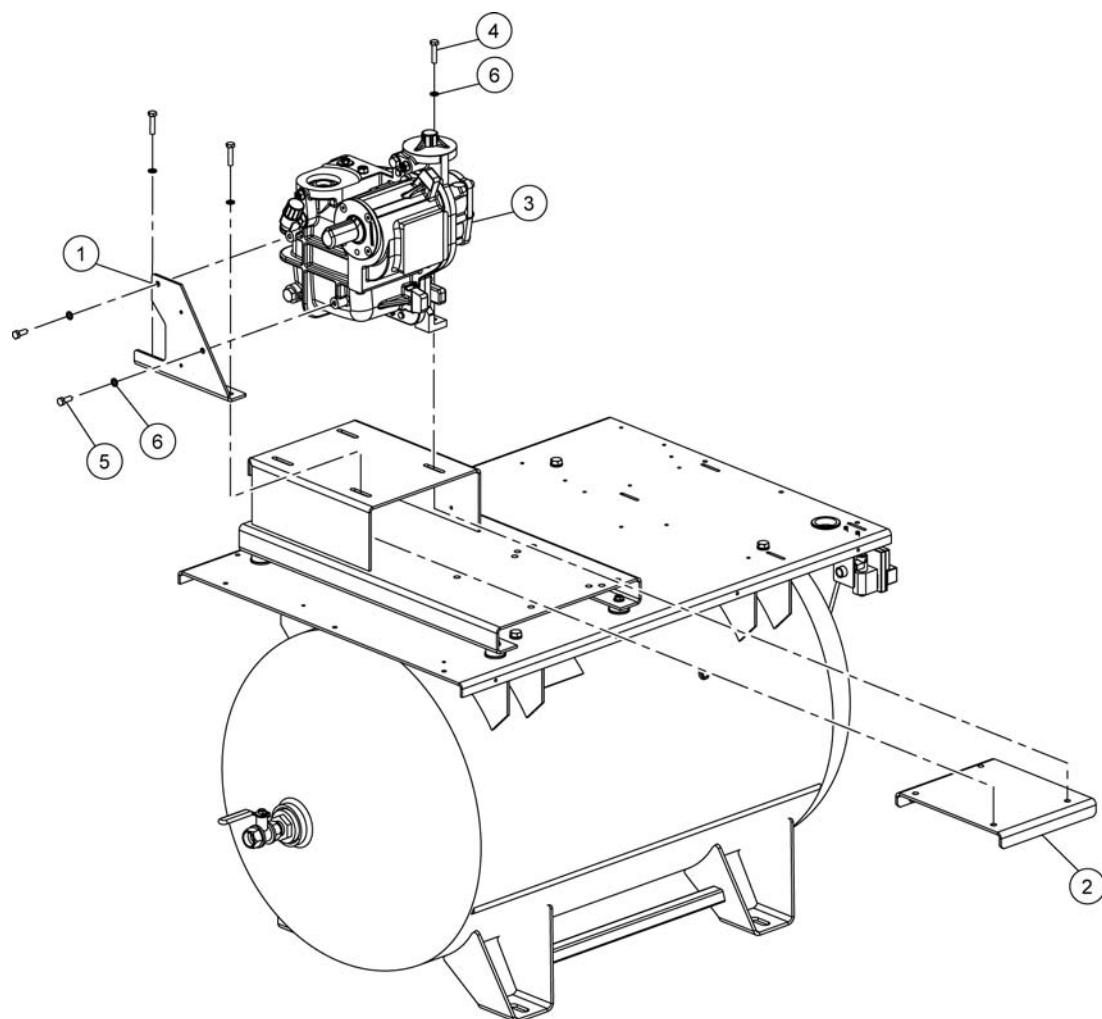
(Dwg. 22426936V7)

PARTS LIST

Item	Part No.	Description	Qty.
1	22348486	ASSY, BASE PLATE MOTOR/AIREND	1
2	96702402	CAPSCREW, HEX HD. M8 x 50	4
3	96704416	NUT, HEX FLANGE LOCK SERRATED M8 - 1.25	4
4	96726971	WASHER, M20 PLAIN GRADE C	8
5	96740188	WASHER, LARGE OUTSIDE DIAMETER PRODUCT GRADE C M8	4
6	22419923	ISOLATOR, AIREND (MALE)(PART OF ISOLATOR ASSY. 22419923)	4
7	22419923	ISOLATOR, AIREND (FEMALE)(PART OF ISOLATOR ASSY. 22419923)	4

AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

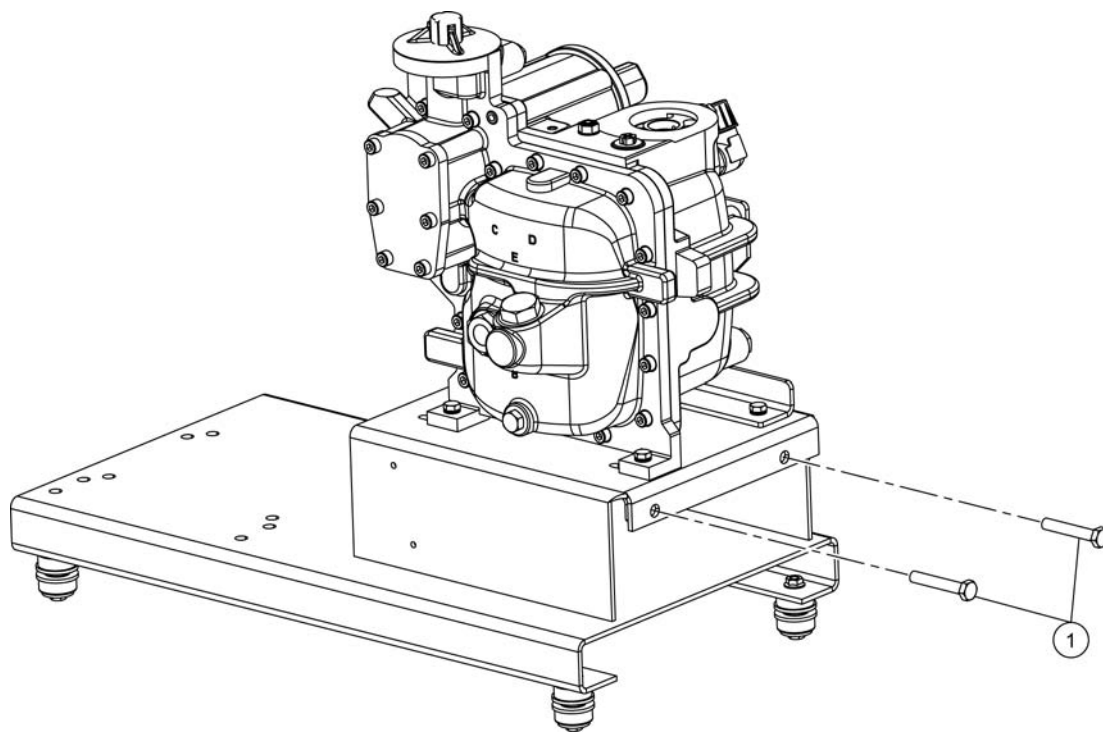
Assemble Motor/Airend Isolation Base to Main Base



(Dwg. 22426936V8)

PARTS LIST

Item	Part No.	Description	Qty.
1	22288633	SUPPORT, AIREND (BACK) UNIGY 10/15 hp	1
2	22357388	PLATE, BELT TIGHTENER	1
3	22465926	ASSY, SUB, CE55, 15 hp BELT DRIVE	1
4	96702261	SCREW, HEX HEAD M8 - 1.25 x 35.0 LONG	4
5	96702824	SCREW, HEX HEAD M8 - 1.25 x 20.0 LONG	2
6	96728316	LOCKWASHER, SPRING - M8	6

AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST**Assemble Belt Tension Adjustment Screws**

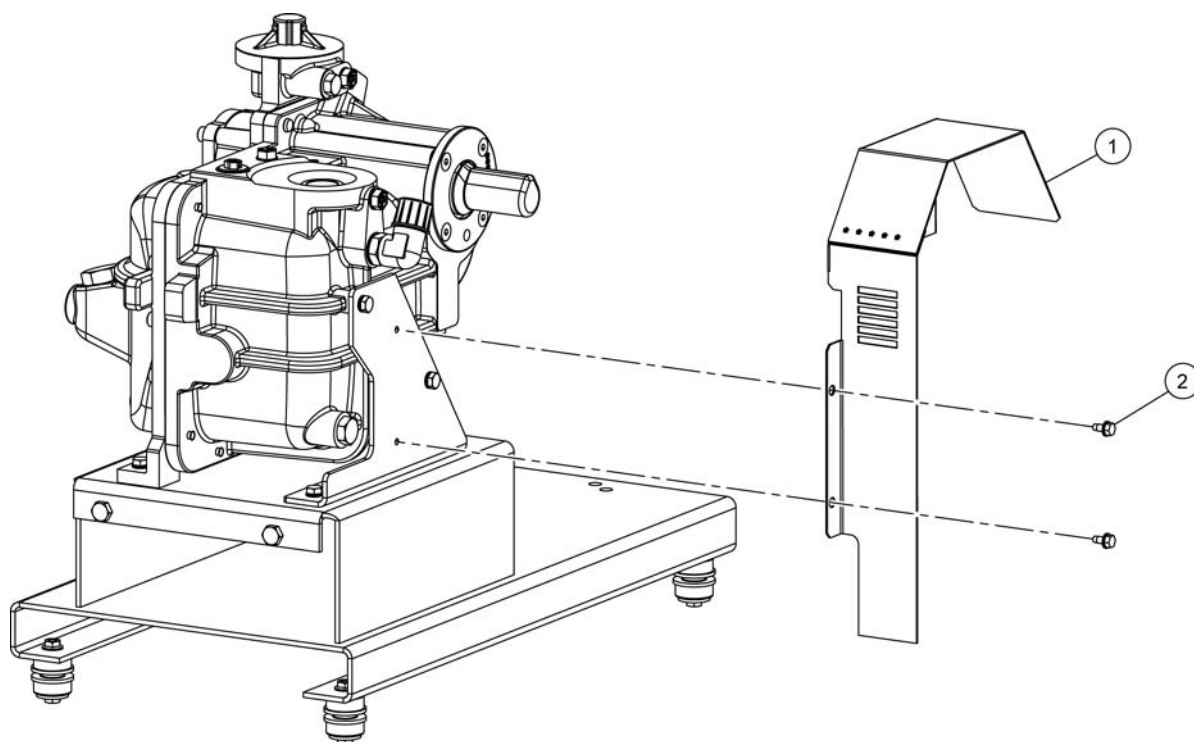
(Dwg. 22426936V9)

PARTS LIST

Item	Part No.	Description	Qty.
1	96704960	SCREW, HEX HEAD M10-1.50 x 60.0 LONG	2

AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend Sheave Guard



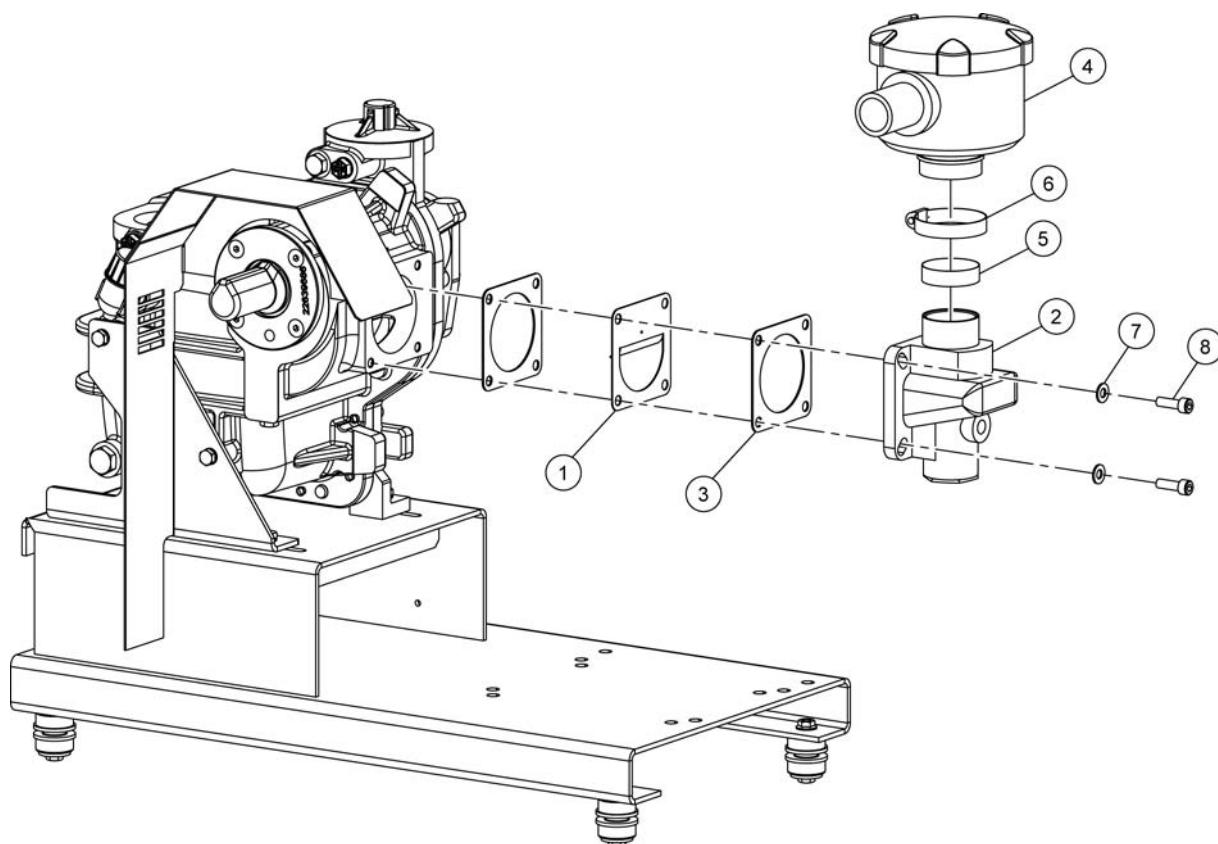
(Dwg. 22426936V10)

PARTS LIST

Item	Part No.	Description	Qty.
1	22404834	ASSY, BELT GUARD UP-SERIES 5-15 hp	1
2	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2

AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Inlet Valve and Air Filter Assembly to Airend



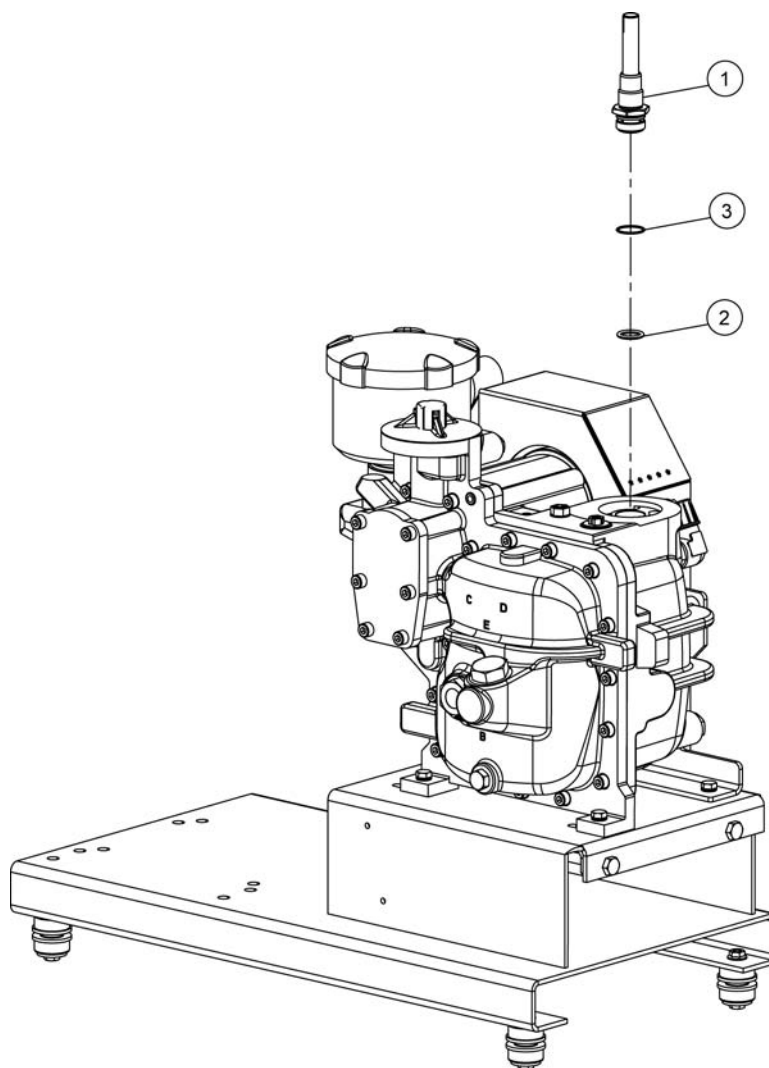
(Dwg. 22426936V11)

PARTS LIST

Item	Part No.	Description	Qty.
1	22471817	BAFFLE, INLET VALVE	1
2	23982028	VALVE, INLET (N.C. INLET SINGLE PHASE)	1
	22937742	VALVE, INLET (N.O. INLET)	1
	22937759	VALVE, INLET (N.C. INLET - STAR-DELTA)	1
3	42684795	GASKET, INLET VALVE	2
4	89243778	AIR FILTER MANN PICOLINO	1
5	89246078	SEAL, SPACER	1
6	95235156	CLAMP, HOSE WORM DRIVE STAINLESS STEEL	1
7	96704671	WASHER, PRODUCT GRADE A M8	4
8	96708060	SCREW, SOCKET HEAD M8 x 25.0 LONG	4

AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Oil Separator Stem into Airend



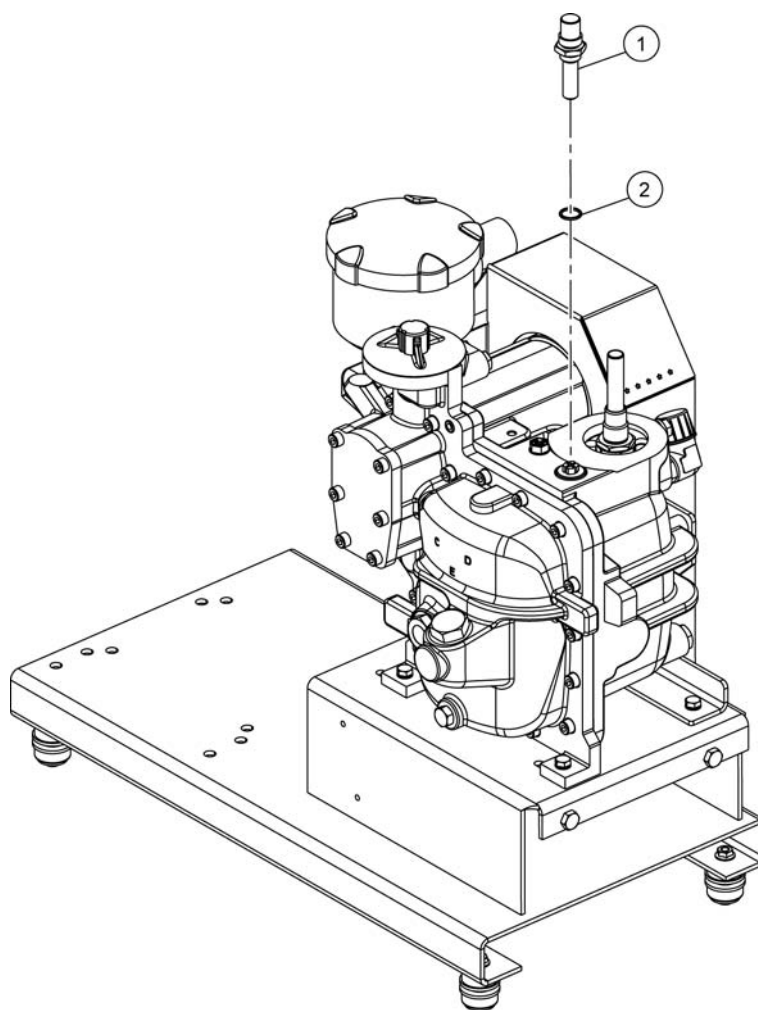
(Dwg. 22426936V12)

PARTS LIST

Item	Part No.	Description	Qty.
1	22232813	ASSY, OIL SEPARATOR STEM CE55 15 hp	1
2	95022133	O-RING, STANDARD -210 0.750 ID x 0.125 WIDTH	1
3	95025466	O-RING, STANDARD -021 0.926 ID x 0.062 WIDTH	1

AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble High Air Temperature Switch into Airend



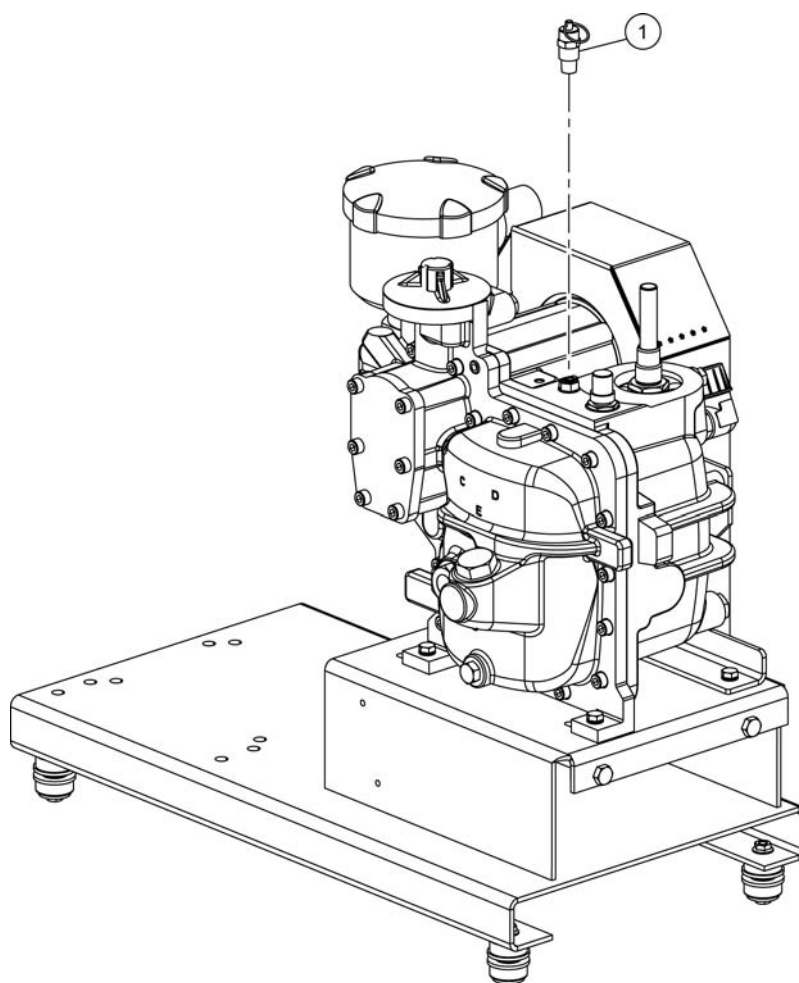
(Dwg. 22426936V13)

PARTS LIST

Item	Part No.	Description	Qty.
1	23681604	SWITCH, HIGH AIR TEMP. (228 DEG. F)	1
2	39404165	O-RING, ID 0.644 WIDTH 0.087	1

AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend Relief Valve



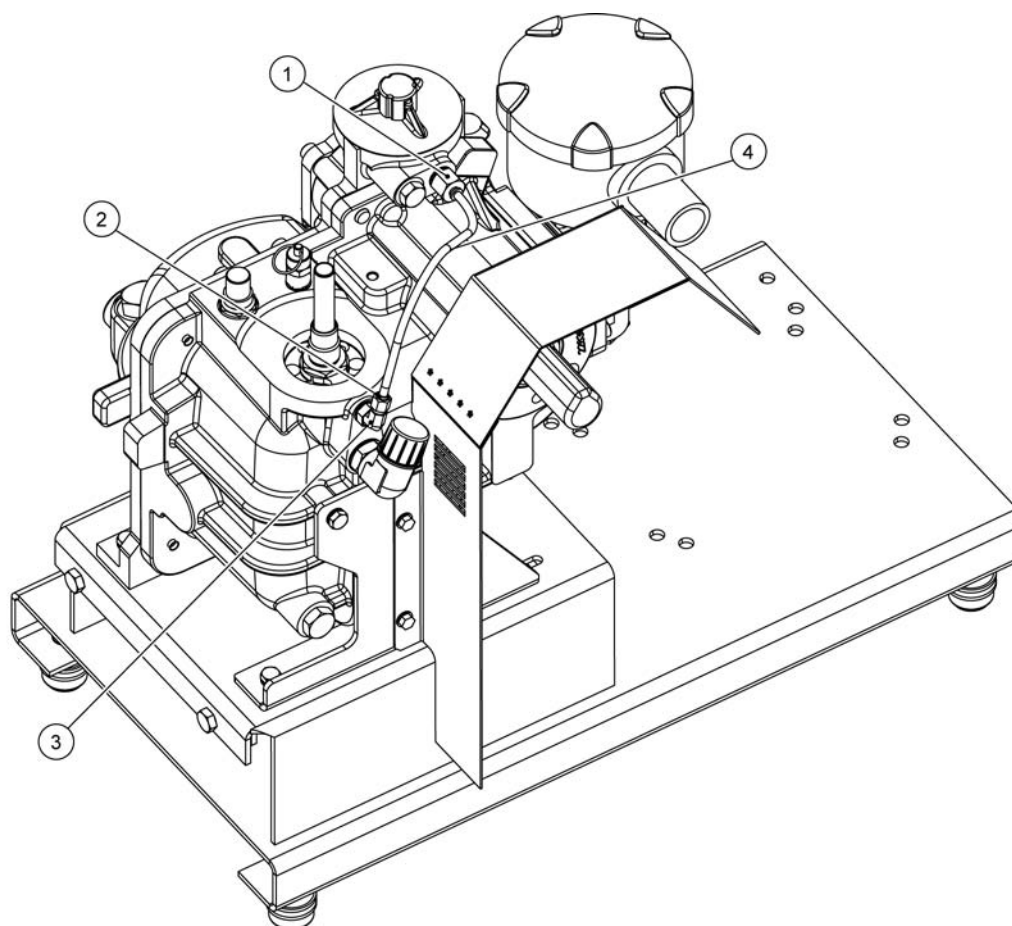
(Dwg. 22426936V14)

PARTS LIST

Item	Part No.	Description	Qty.
1	22378665	VALVE, PRESSURE SAFETY, 60 Hz (ASME)	1
	22401590	VALVE, PRESSURE SAFETY, 50 HZ (PED)	1
	22431761	VALVE, PRESSURE SAFETY, 8.8 BAR (GB)	1
	22431779	VALVE, PRESSURE SAFETY, 11 BAR (GB)	1
	22431787	VALVE, PRESSURE SAFETY, 16 BAR (GB)	1
	22493902	VALVE, PRESSURE SAFETY, 11 BAR (ASME)	1
	22550552	VALVE, PRESSURE SAFETY, 13.8 BAR (ASME)	1

AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend Oil Scavenge Tube



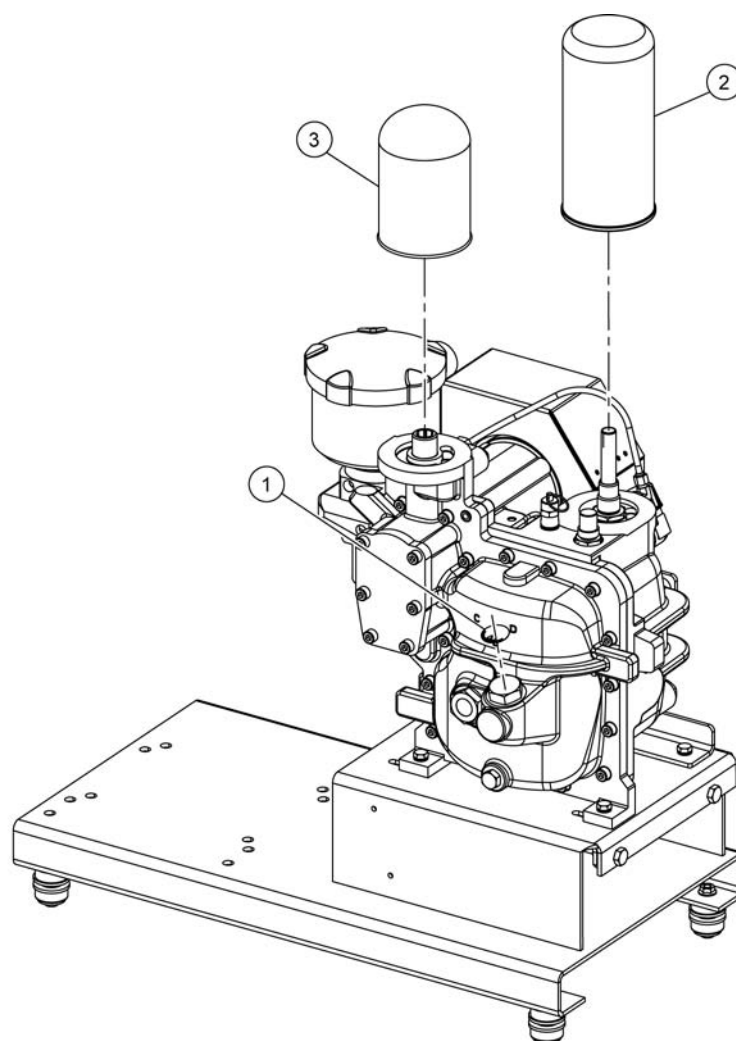
(Dwg. 22426936V15)

PARTS LIST

Item	Part No.	Description	Qty.
1	22380216	VALVE, CHECK (0.039" ORIF) 0.25" BSPT x 6 mm TUBE	1
2	22770069	INSERT, 6 mm PLASTIC TUBE	1
3	92067933	ELBOW, MALE METRU-LOK 6 mm TUBE x 1/4" BSPT	1
4	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	1 FT.

AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Oil Filter and Separator Element. Install Oil Fill Decal.



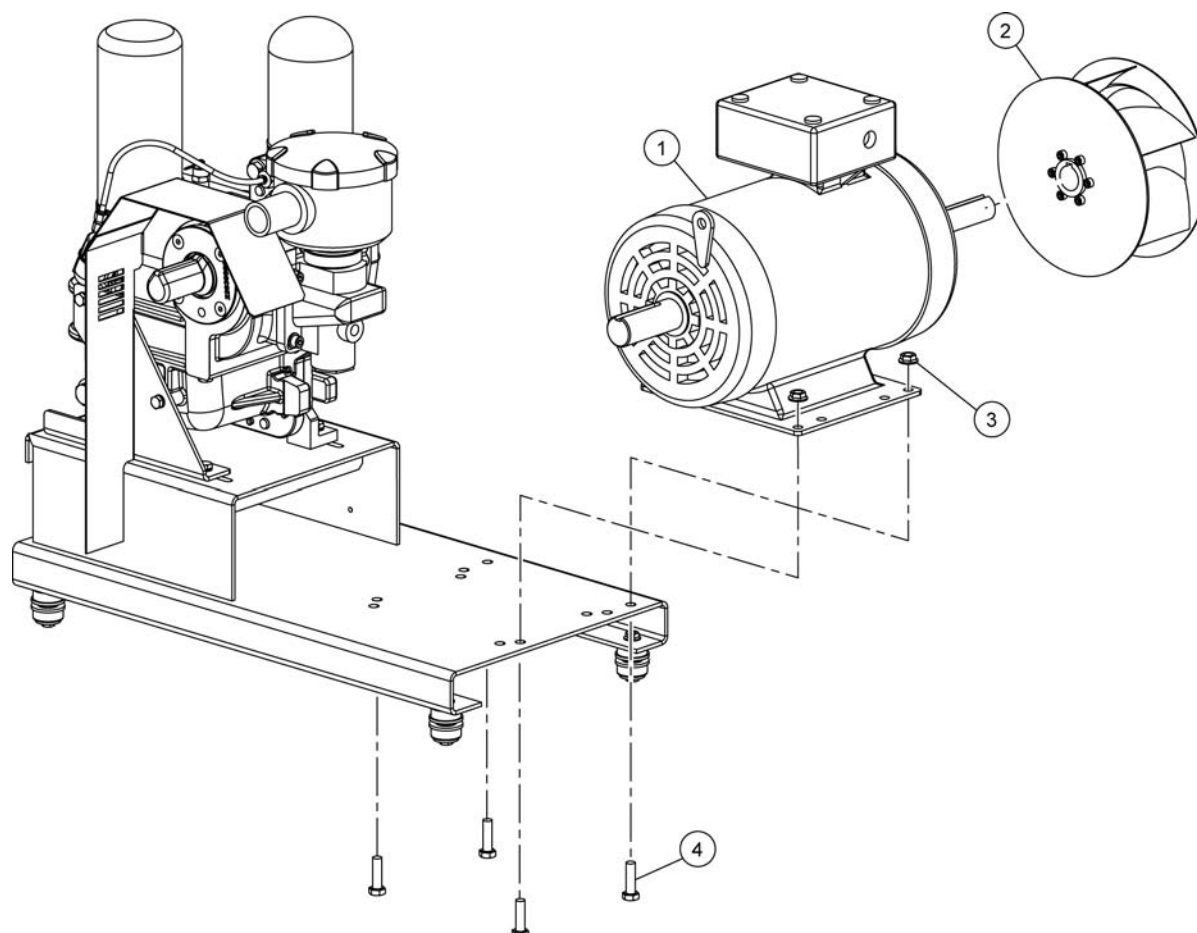
(Dwg. 22426936V16)

PARTS LIST

Item	Part No.	Description	Qty.
1	24071771	DECAL, ULTRA EL	1
	24071755	DECAL, ULTRA FG	1
	22870109	DECAL, ULTRA PLUS	1
	23175243	DECAL, ULTRA	1
2	24121212	ELEMENT, SEPARATOR	1
3	39329602	ELEMENT, OIL FILTER 4" DIA	1

AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Motor to Isolation Base



(Dwg. 22426936V17)

PARTS LIST

Item	Part No.	Description	Qty.
1	22328603	15 hp 200 V 60 Hz	1
	22479042	15 hp 200 V 60 Hz	1
	22368211	15 hp 230/460 V 60 Hz	1
	22374862	15 hp 230/460 V 60 Hz	1
	22483473	15 hp 380 V 60 Hz	1
	22416960	15 hp 380 V 60 Hz	1
	22368229	15 hp 575 V 60 Hz	1
	22479059	15 hp 575 V 60 Hz	1
	22871809	11 kW 220 V 50 Hz	1
	23886385	11 kW 2 P 380 V 50 Hz	1
	23871783	11 kW 2P 400 V 50 Hz	1
	22368237	10 hp 200 V 60 Hz	1
	22479067	10 hp 200 V 60 Hz	1
	22368245	10 hp 230/460 V 60 Hz	1
	22368526	10 hp 230/460 V 60 Hz	1

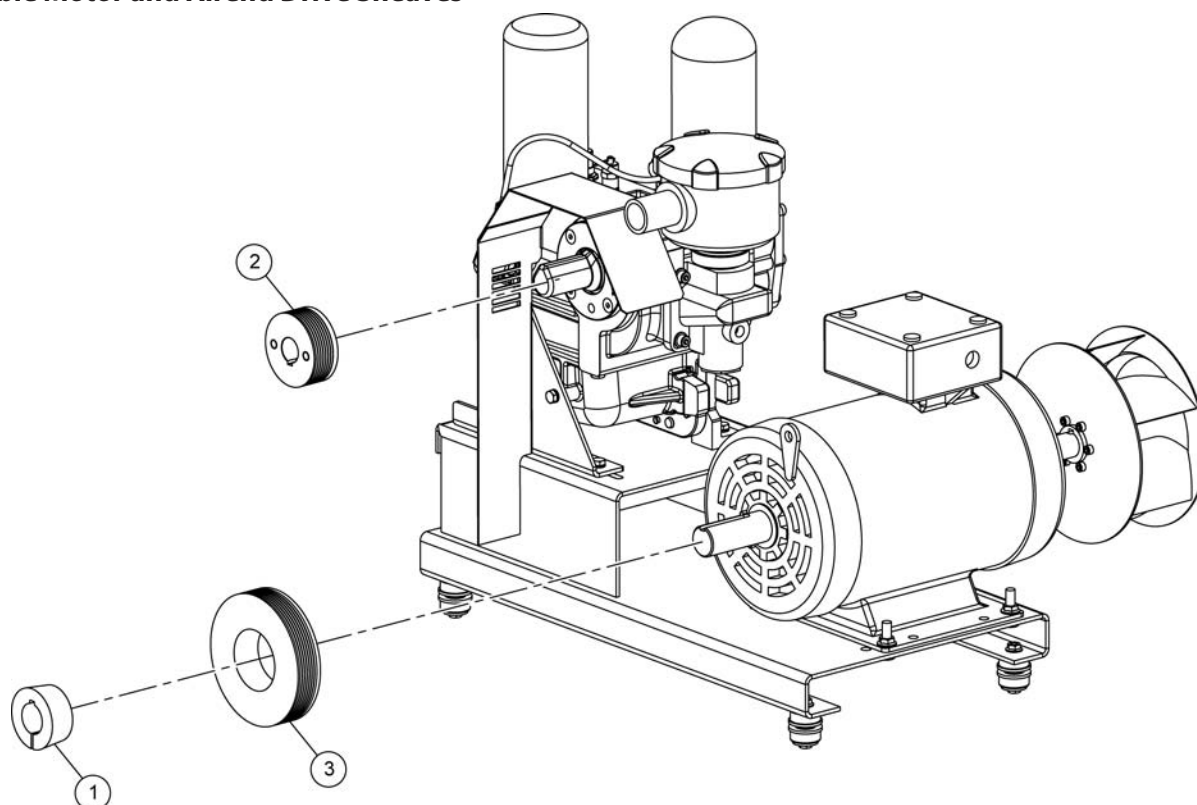
AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

PARTS LIST CONTINUED

Item	Part No.	Description	Qty.
1	22483481	10 hp 380 V 60 Hz	1
	22416978	10 hp 380 V 60 Hz	1
	22368252	10 hp 575 V 60 Hz	1
	22479075	10 hp 575 V 60 Hz	1
	23871817	7.5 kW 220 V 50 Hz	1
	23886377	7.5 kW 2 P 380 V 50 Hz	1
	23871791	7.5 kW 2P 400 V 50 Hz	1
	22368260	7.5 hp 200 V 60 Hz	1
	22479083	7.5 hp 200 V 60 Hz	1
	22368278	7.5 hp 230/460 V 60 Hz	1
	22374870	7.5 hp 230/460 V 60 Hz	1
	22483499	7.5 hp 380 V 60 Hz	1
	22416986	7.5 hp 380 V 60 Hz	1
	22368286	7.5 hp 575 V 60 Hz	1
	22479091	7.5 hp 575 V 60 Hz	1
	22399182	7.5 hp 230/1/60 Hz	1
	22399182	7.5 hp 230/1/60 Hz	1
	23871825	5.5 kW 220 V 50 Hz	1
	23886369	5.5 kW 380 V 50 Hz	1
	23871775	5.5 kW 2 P 400 V 50 Hz	1
	22368294	5 hp 200 V 60 Hz	1
	22479109	5 hp 200 V 60 Hz	1
	22368302	5 hp 230/460 V 60 Hz	1
	22368534	5 hp 230/460 V 60 Hz	1
	22483507	5 hp 380 V 60 Hz	1
	22416994	5 hp 380 V 60 Hz	1
	22368310	5 hp 575 V 60 Hz	1
	22479117	5 hp 575 V 60 Hz	1
	22474175	5 hp 200/1/60 Hz	1
	22479513	5 hp 200/1/60 Hz	1
	22399166	5 hp 230/1/60 Hz	1
	22399174	5 hp 230/1/60 Hz	1
	23871833	4 kW 220 V 50 Hz	1
	23886351	4 kW 2 P 380 V 50 Hz	1
2	23454390	BLOWER, 5/7.5 hp 60 Hz	1
	23454382	BLOWER, 10 hp 60 Hz, 4/5.5 kW 50 Hz	1
	23454374	BLOWER, 15 hp 60 Hz	1
	23454408	BLOWER, 7.5/11 kW 50 Hz	1
3	96704846	NUT, HE x FLANGE LOCK SERRATED M10-1.50	4
4	96705983	SCREW, HE x HEAD M10-1.50 x 35.0 LONG	4

AIREND/MOTOR (UP-SERIES) ASSEMBLY DRAWING

Assemble Motor and Airend Drive Sheaves



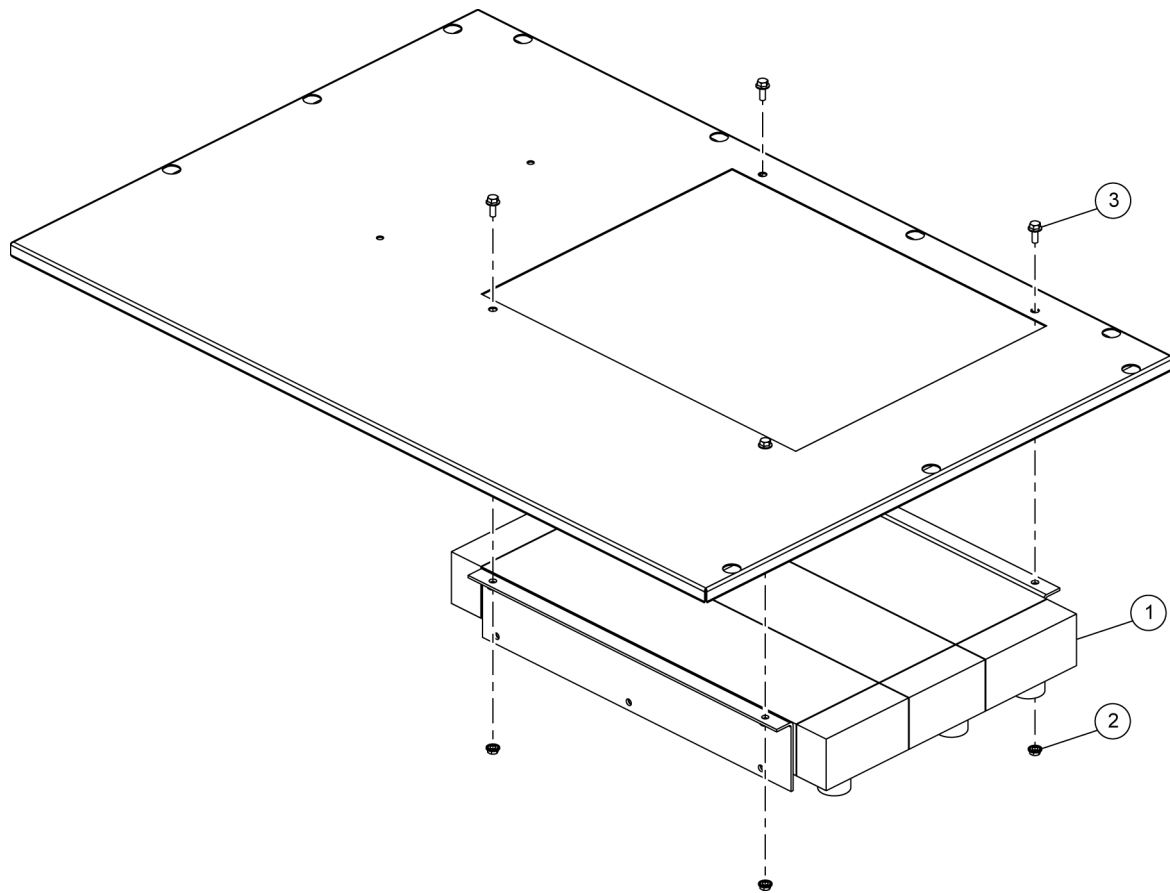
(Dwg. 22426936V18)

PARTS LIST

	NOT ILLUSTRATED	1	2	3
Group	Belt	Bushing	Sheave, Airend side	Sheave, Motor Side
15 hp 125 PSIG	89306302	22375125	22375265	22386734
15 hp 150 PSIG	54400726	22375125	22375273	22386734
15 hp 210 PSIG	22499552	22375125	22375281	22386742
10 hp 125 PSIG	54420708	22375125	22375299	22386742
10 hp 150 PSIG	89306302	22375125	22375307	22386742
10 hp 210 PSIG	89296586	22375125	22375315	22386742
7.5 hp 125 PSIG	89306294	22386908	22386544	22386775
7.5 hp 150 PSIG	89296560	22386908	22408801	22408769
7.5 hp 210 PSIG	89296578	22386908	22408819	22408769
5 hp 125 PSIG	89296560	22386908	22386577	22386775
5 hp 150 PSIG	89296560	22386908	22386585	22386783
5 hp 210 PSIG	89296578	22386908	22386593	22386783
11 kW 8 BAR	89296586	22386882	22409304	22386759
11 kW 10 BAR	89296586	22386882	22386676	22386759
11 kW 14.5 BAR	54400726	22386882	22386684	22386734
7.5 kW 8 BAR	54400726	22386882	22409296	22386734
7.5 kW 10 BAR	22499552	22386882	22386700	22386742
7.5 kW 14.5 BAR	89306302	22386882	22386718	22386742
5.5 kW 8 BAR	54438106	22386890	22386635	22408744
5.5 kW 10 BAR	54438106	22386890	22386643	22408744
5.5 kW 14.5 BAR	89296560	22386890	22408801	22408769
4 kW 8 BAR	89296552	22386890	22386635	23678584
4 kW 10 BAR	89296552	22386890	22386643	22386783
4 kW 14.5 BAR	89296560	22386890	22386650	22386783

COOLING & CONTROL SYSTEM (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Air/Oil Cooler to Main Enclosure Top Panel



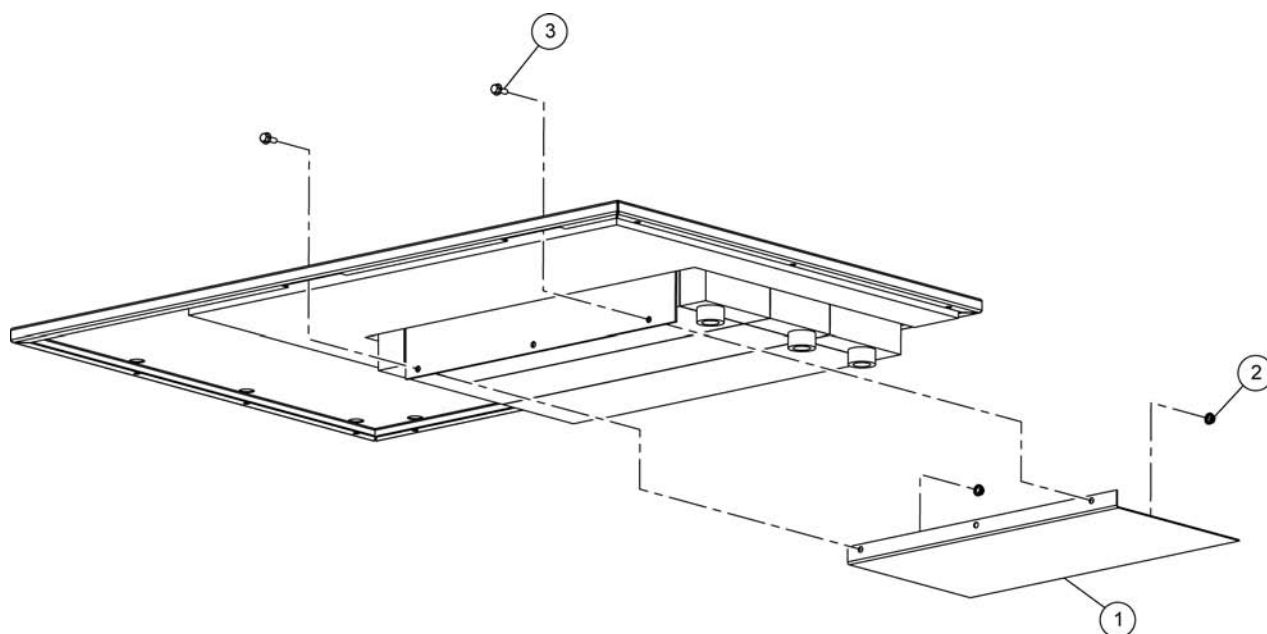
(Dwg. 22427546U2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22357941	ASSY, COOLER (AIR/OIL) 15 hp	1
2	96737564	NUT, HEX FLANGE LOCK SERRATED M6-1.00	4
3	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	4

COOLING & CONTROL SYSTEM (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Cooler Side Flange Mtg. Screws



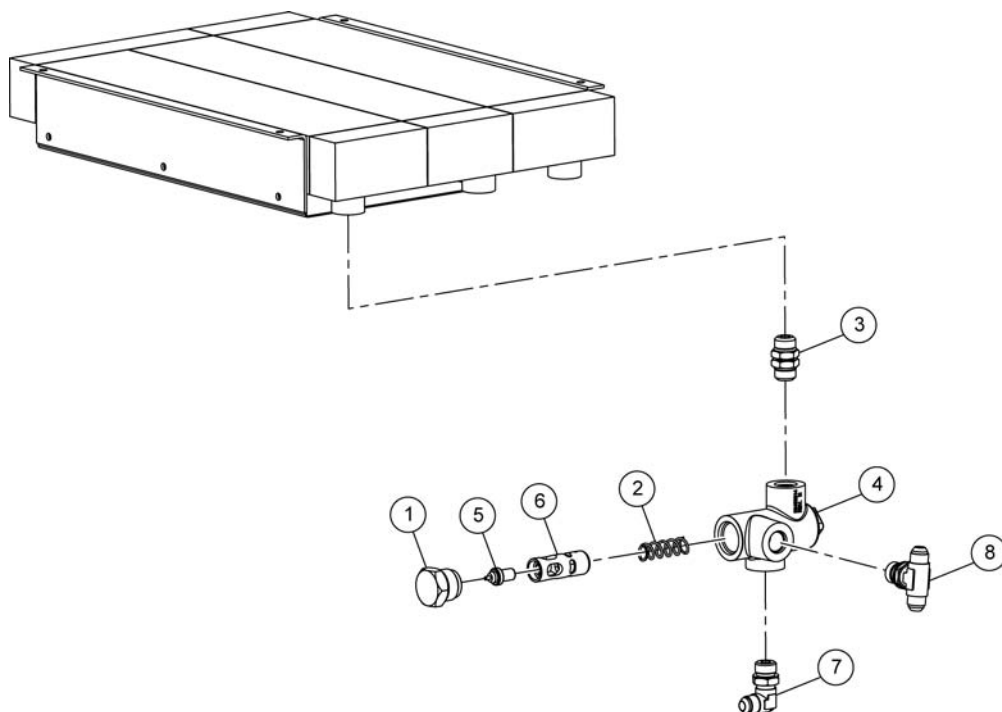
(Dwg. 22427546U3)

PARTS LIST

Item	Part No.	Description	Qty.
1	22481030	BAFFLE, COOLER SEE NOTE BELOW	1
2	96737564	NUT, HEX FLANGE LOCK SERRATED M6-1.00	2
3	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	2

COOLING & CONTROL SYSTEM (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Thermal Valve Block and Fittings to Cooler



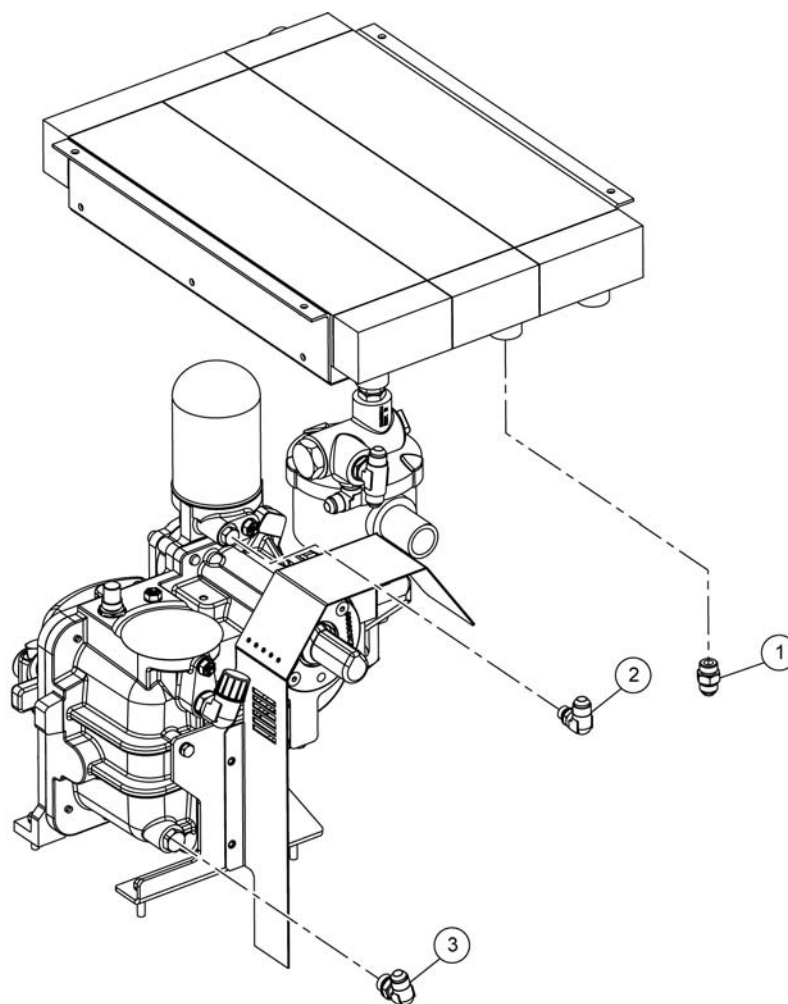
(Dwg. 22427546U4)

PARTS LIST

Item	Part No.	Description	Qty.
1	22186688	PLUG, THERMAL VALVE (1.3125" SAE)	1
2	22186696	SPRING, THERMAL VALVE	1
3	22305965	UNION, 0.875-14 SAE STR. THD. (W/VITON O-RINGS)	1
4	22456214	MANIFOLD, THERMAL VALVE (MACHINED)	1
5	22463368	ACTUATOR, THERMAL 181°F	1
6	22856991	CAGE, THERMAL VALVE	1
7	95052379	ELBOW, 0.50 TUBE x 0.875 SAE	1
8	95647889	TEE, BRANCH 0.50 TUBE x 0.88 SAE	1

COOLING & CONTROL SYSTEM (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Oil Line Fittings to Airend and Cooler



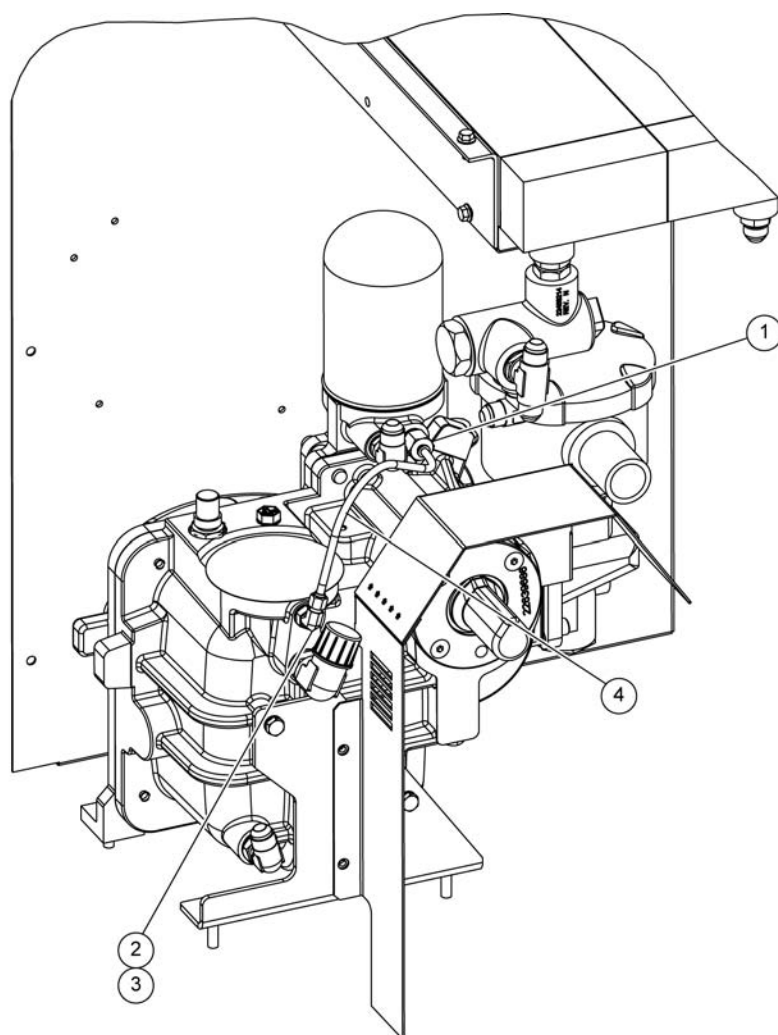
(Dwg. 22427546U5)

PARTS LIST

Item	Part No.	Description	Qty.
1	95938122	CONNECTOR, 0.50 TUBE x 0.75 SAE	1
2	95988358	ELBOW, 0.50 TUBE x 0.56 SAE	1
3	95992822	ELBOW, 0.50 TUBE x 0.75 SAE	1

COOLING & CONTROL SYSTEM (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Separator Element to Oil Filter Tube



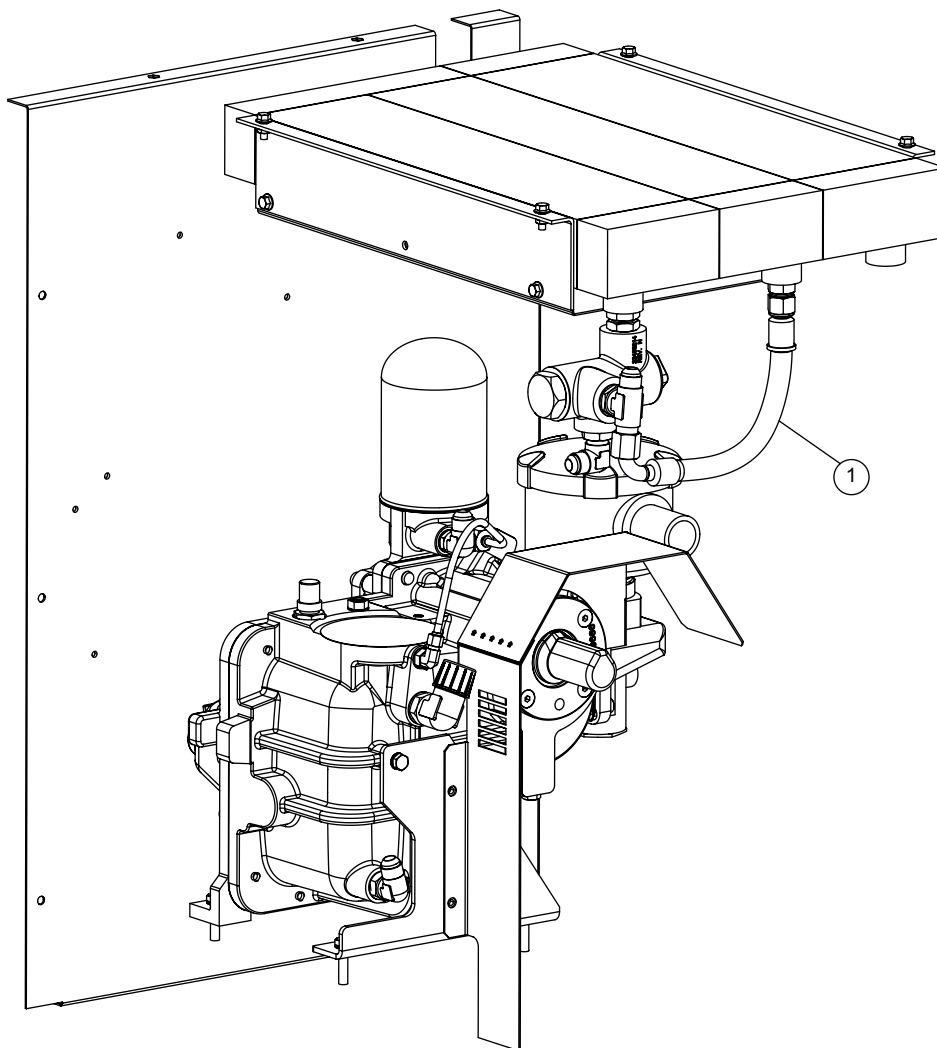
(Dwg. 22427546U6)

PARTS LIST

Item	Part No.	Description	Qty.
1	22380216	VALVE, CHECK (0.039" ORIF) 0.25" BSPT x 6 mm TUBE	1
2	22770069	INSERT, 6MM PLASTIC TUBE	1
3	92067933	ELBOW, MALE METRU-LOK 6 mm TUBE x 1/4" BSPT	1
4	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	1 FT.

COOLING & CONTROL SYSTEM (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Oil Return Hose Assembly (Oil Cooler out to Thermal Valve Block Tee)



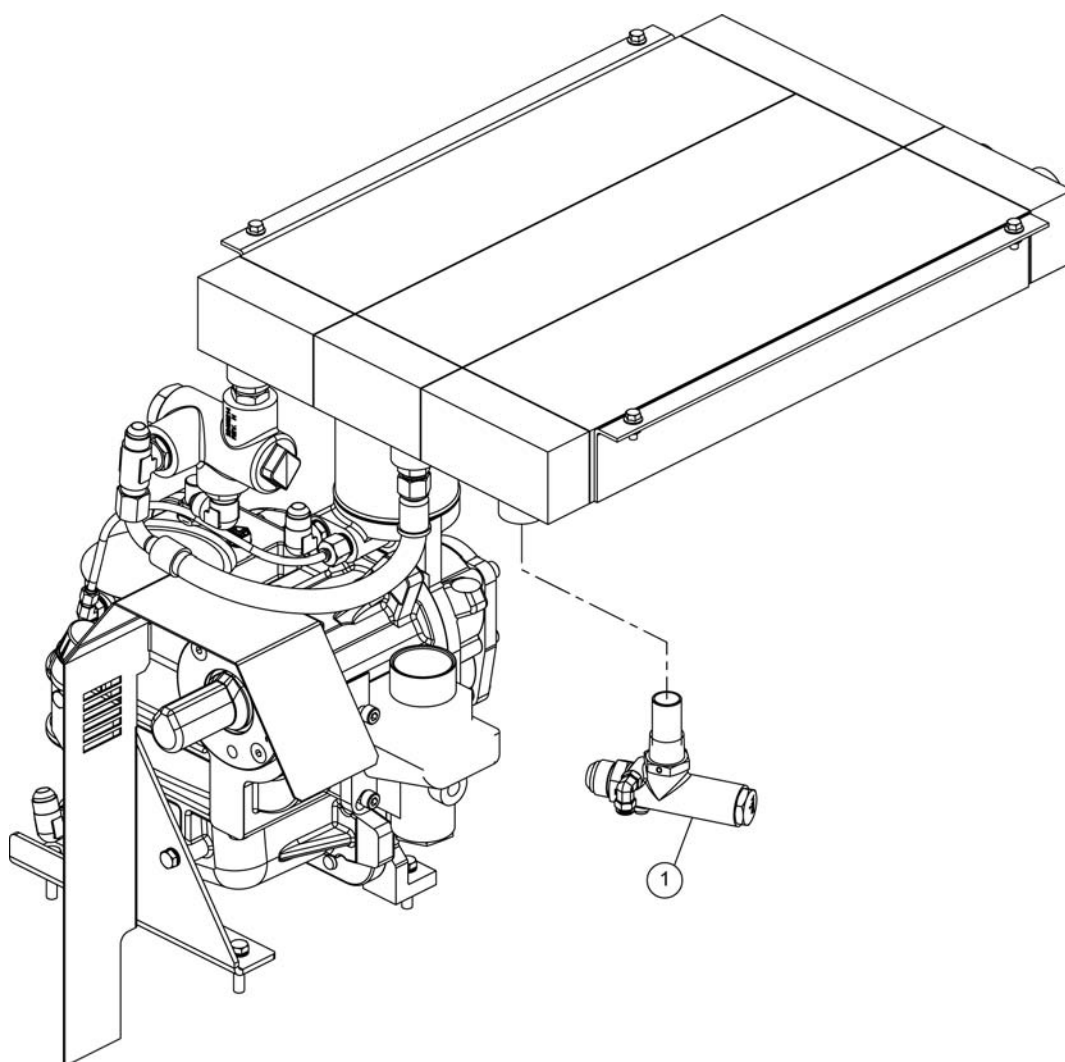
(Dwg. 22427546U7)

PARTS LIST

Item	Part No.	Description	Qty.
1	48662290	HOSE, HYD. STR x 90° -8 x 15" LONG, RUBBER	1
	24279135	HOSE, HYD. STR x 90° -8 x 15" LONG, PTFE	1

COOLING & CONTROL SYSTEM (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Min. Pressure Check Valve Assembly to Cooler



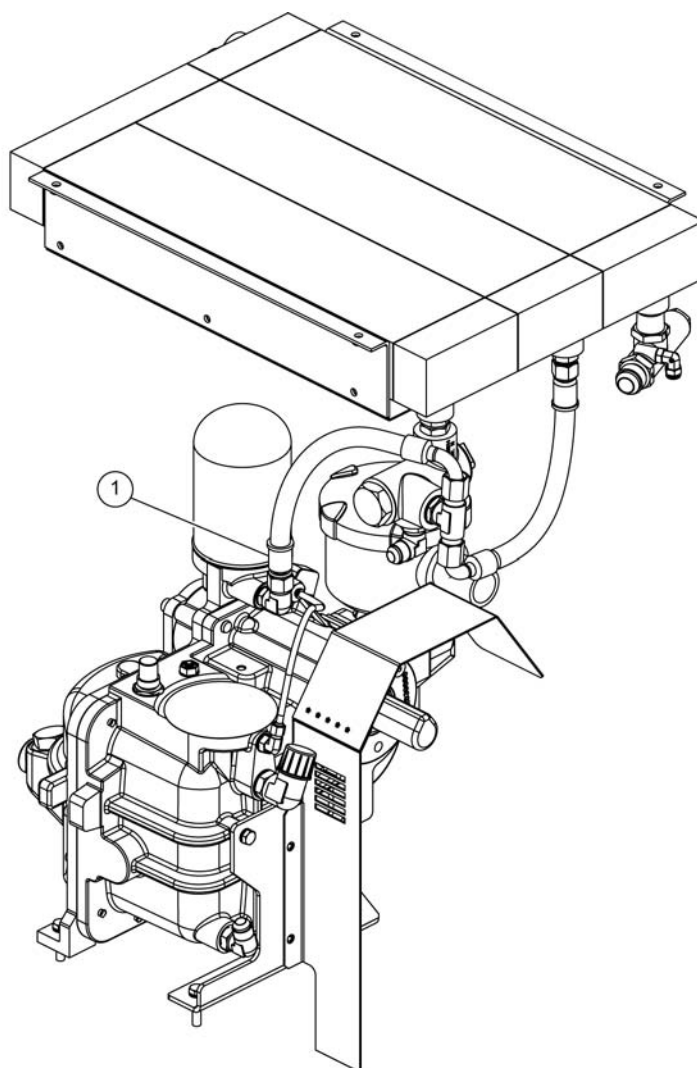
(Dwg. 22427546U8)

PARTS LIST

Item	Part No.	Description	Qty.
1	23410806	VALVE, CHECK MINIMUM PRESSURE	1

COOLING & CONTROL SYSTEM (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Oil Return Hose Assembly (Thermal Valve Block Tee to Airend)



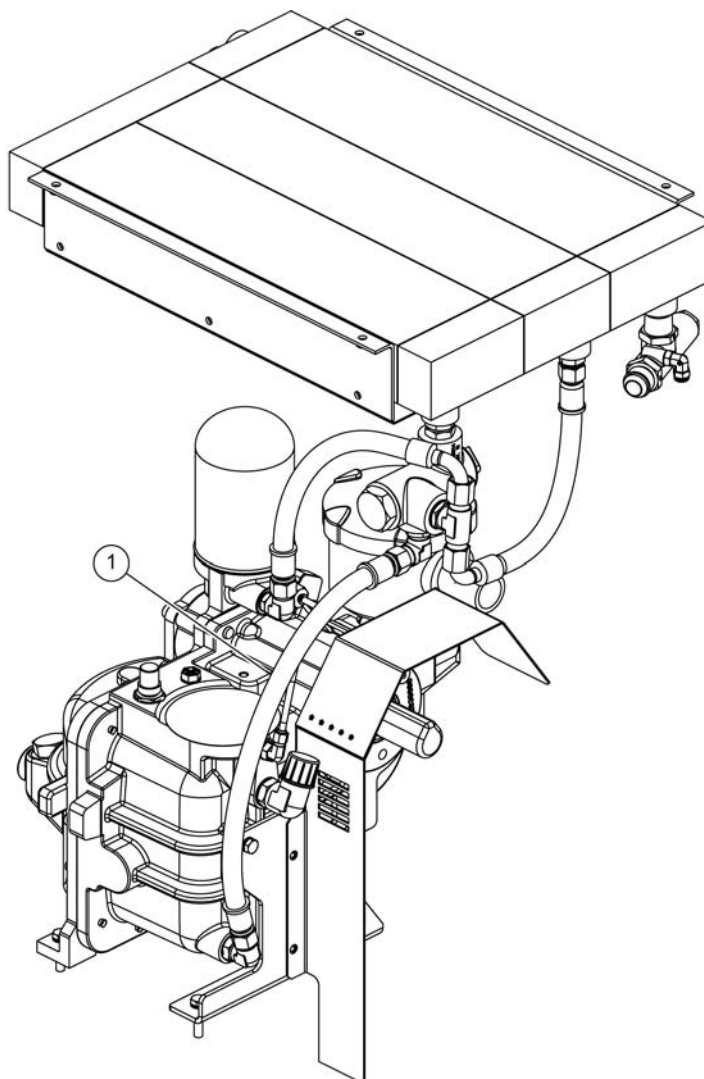
(Dwg. 22427546U9)

PARTS LIST

Item	Part No.	Description	Qty.
1	48662290	HOSE, HYD. STR x 90° -8 x 15" LONG, RUBBER	1
	24279135	HOSE, HYD. STR x 90° -8 x 15" LONG, PTFE	1

COOLING & CONTROL SYSTEM (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

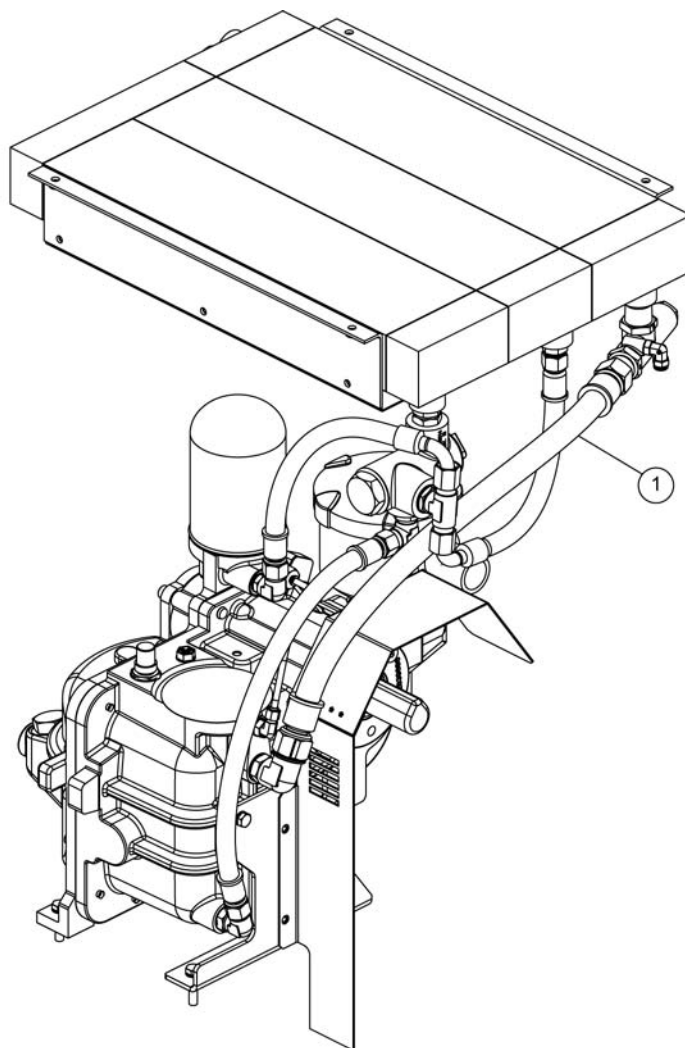
Assemble Aircend to Thermal Valve Block Hose Assembly



(Dwg. 22427546U10)

PARTS LIST

Item	Part No.	Description	Qty.
1	48662282	HOSE, HYD. STR 90 -8 x 20" LONG, RUBBER	1
	24279127	HOSE, HYD. STR x 90 -8 x 20" LONG, WITH PTFE	1

COOLING & CONTROL SYSTEM (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST**Assemble Airend Air Discharge to Min. Pressure Check Valve Hose Assembly**

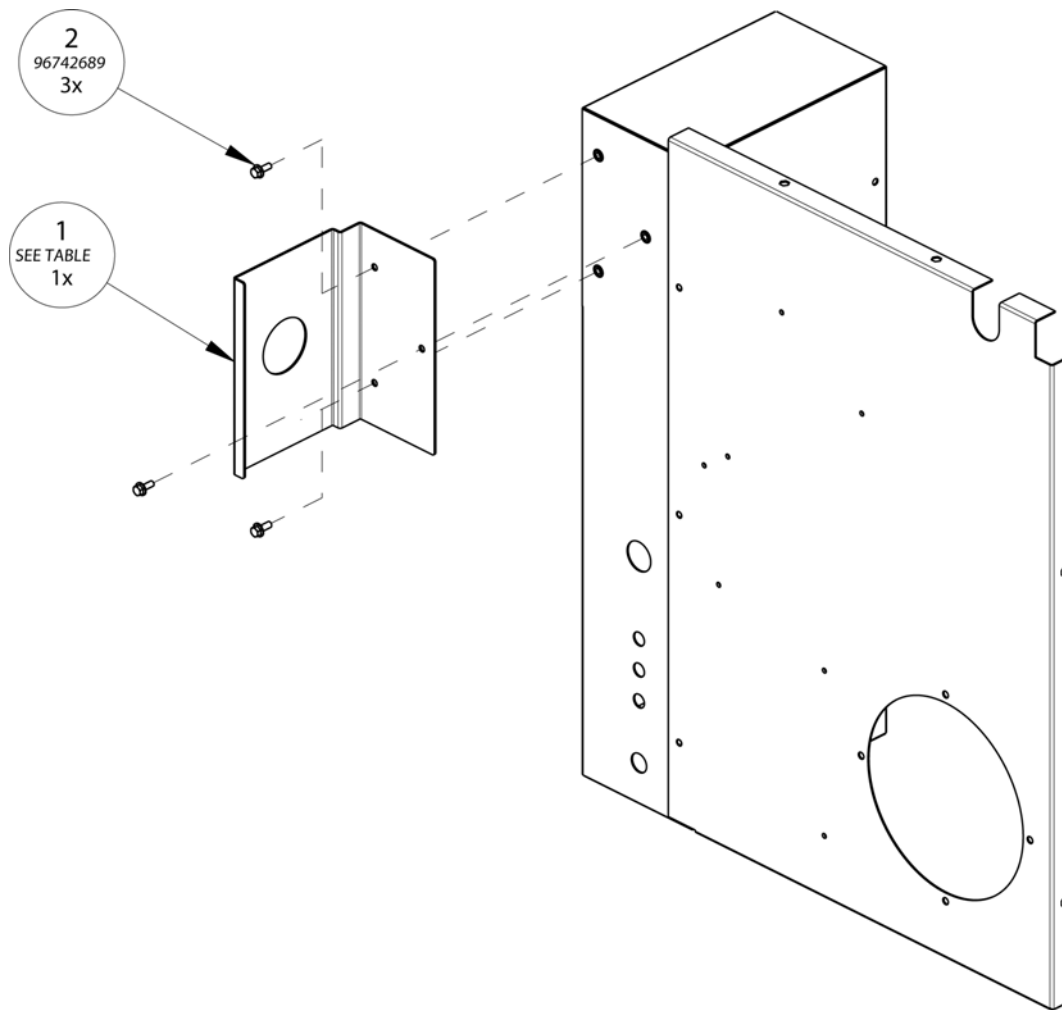
(Dwg. 22427546U11)

PARTS LIST

Item	Part No.	Description	Qty.
1	85560274	HOSE, HYD. STR x STR -12 x 22" LONG	1

STARTER PANEL (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Gauge Panel to Starter Box



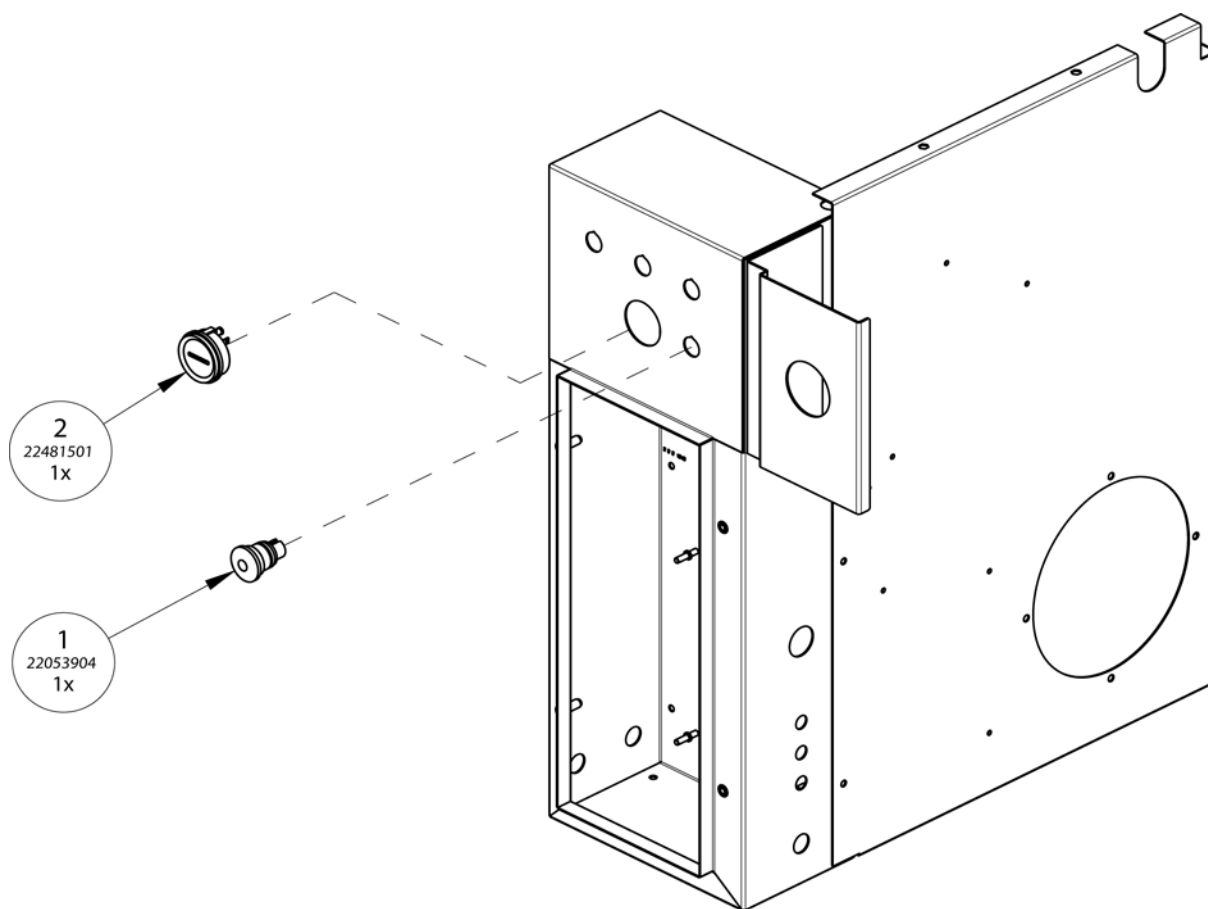
(Dwg. 22429013P2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22529234	GAUGE PANEL (0-400 PSIG NON-DRYER)	1
	22529259	GAUGE PANEL (0-400 PSIG W/DRYER)	1
	22529234	GAUGE PANEL (0-300 PSIG NON-DRYER)	1
	22529259	GAUGE PANEL (0-300 PSIG W/DRYER)	1
2	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	3

STARTER PANEL (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Hour Meter and E-stop Button into Starter Panel



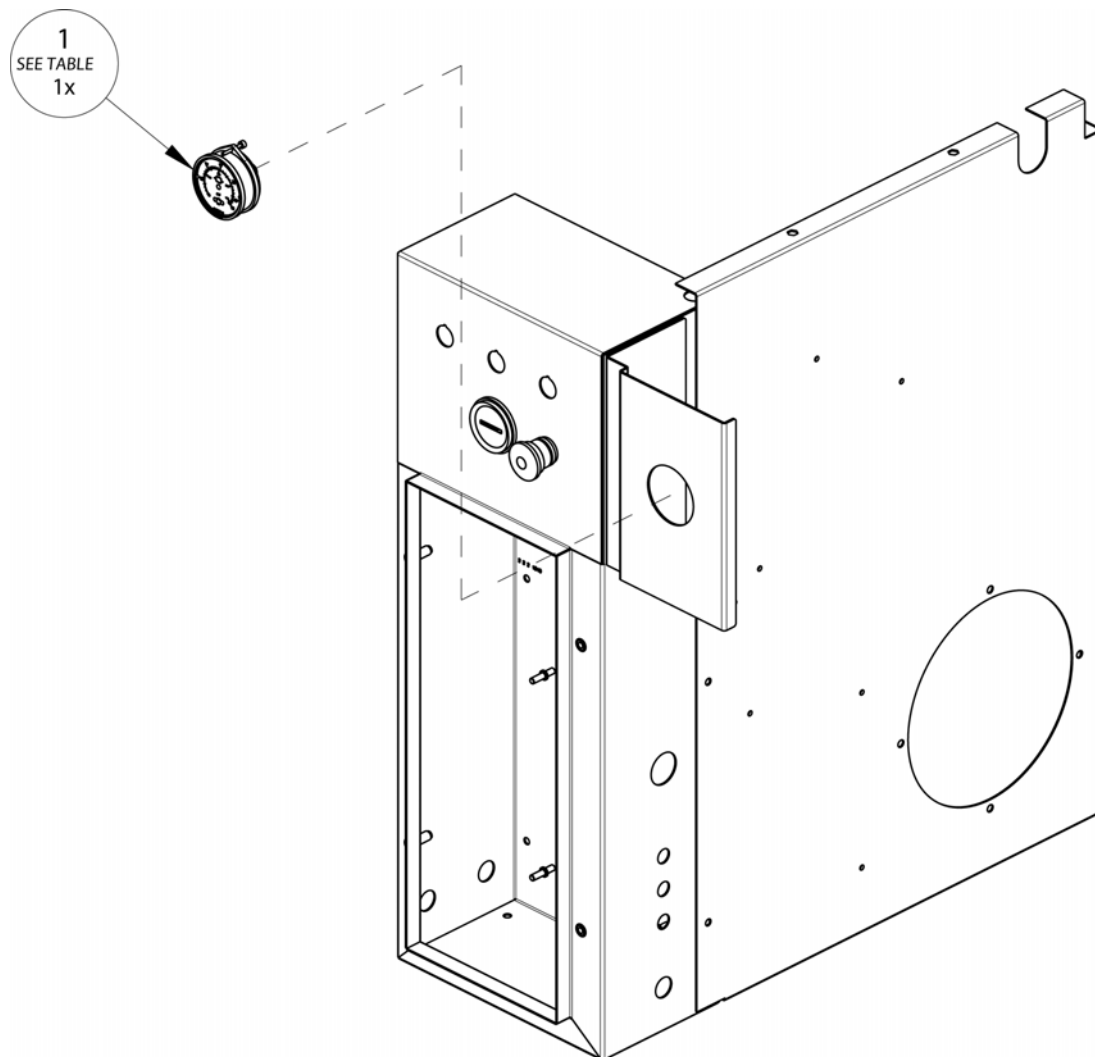
(Dwg. 22429013P3)

PARTS LIST

Item	Part No.	Description	Qty.
1	22053904	ASSEMBLY, EMERGENCY STOP PUSH BUTTON	1
2	22481501	METER, HOUR (CURTIS # 17305682)	1

STARTER PANEL (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Pressure Gauge to Gauge Panel



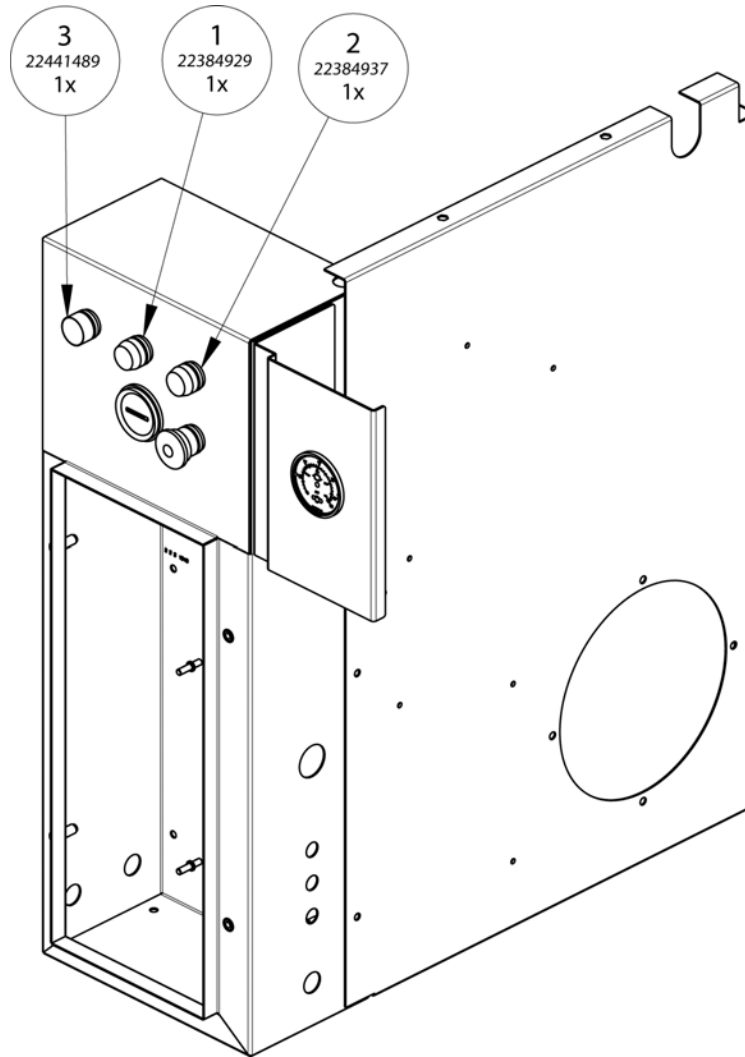
(Dwg. 22429013P4)

PARTS LIST

Item	Part No.	Description	Qty.
1	22487110	GAUGE PANEL (0-400 PSIG NON-DRYER)	1
	22487110	GAUGE PANEL (0-400 PSIG W/DRYER)	1
	54772058	GAUGE PANEL (0-300 PSIG NON-DRYER)	1
	54772058	GAUGE PANEL (0-300 PSIG W/DRYER)	1

STARTER PANEL (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Push Button Reset Switch and Indicator Lights



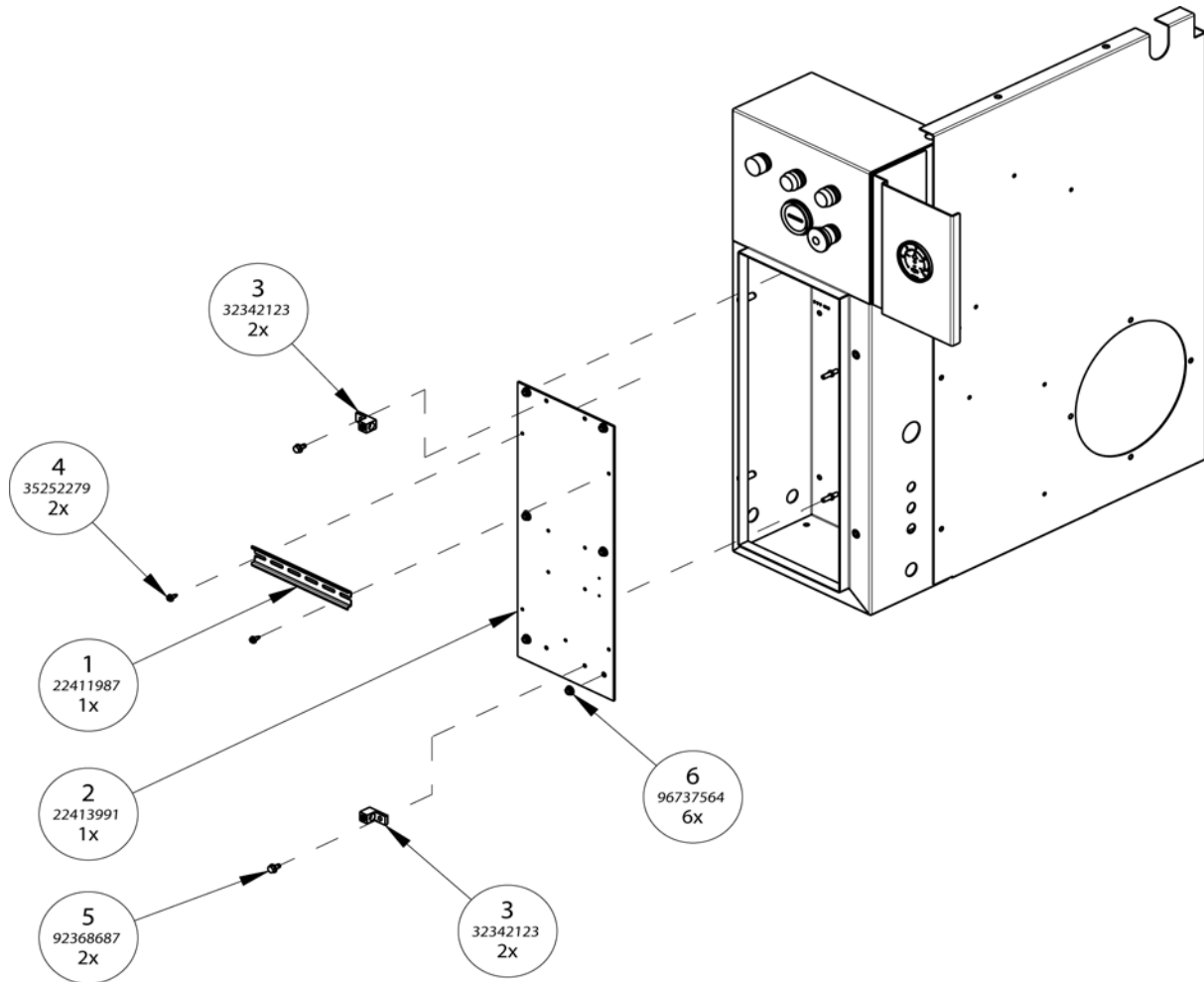
(Dwg. 22429013P5)

PARTS LIST

Item	Part No.	Description	Qty.
1	22384929	ASSEMBLY, GREEN LIGHT INDICATOR	1
2	22384937	ASSEMBLY, YELLOW LIGHT INDICATOR	1
3	22441489	ASSEMBLY, GREEN PUSH BUTTON RESET	1

STARTER PANEL (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Starter Components Mounting Panel



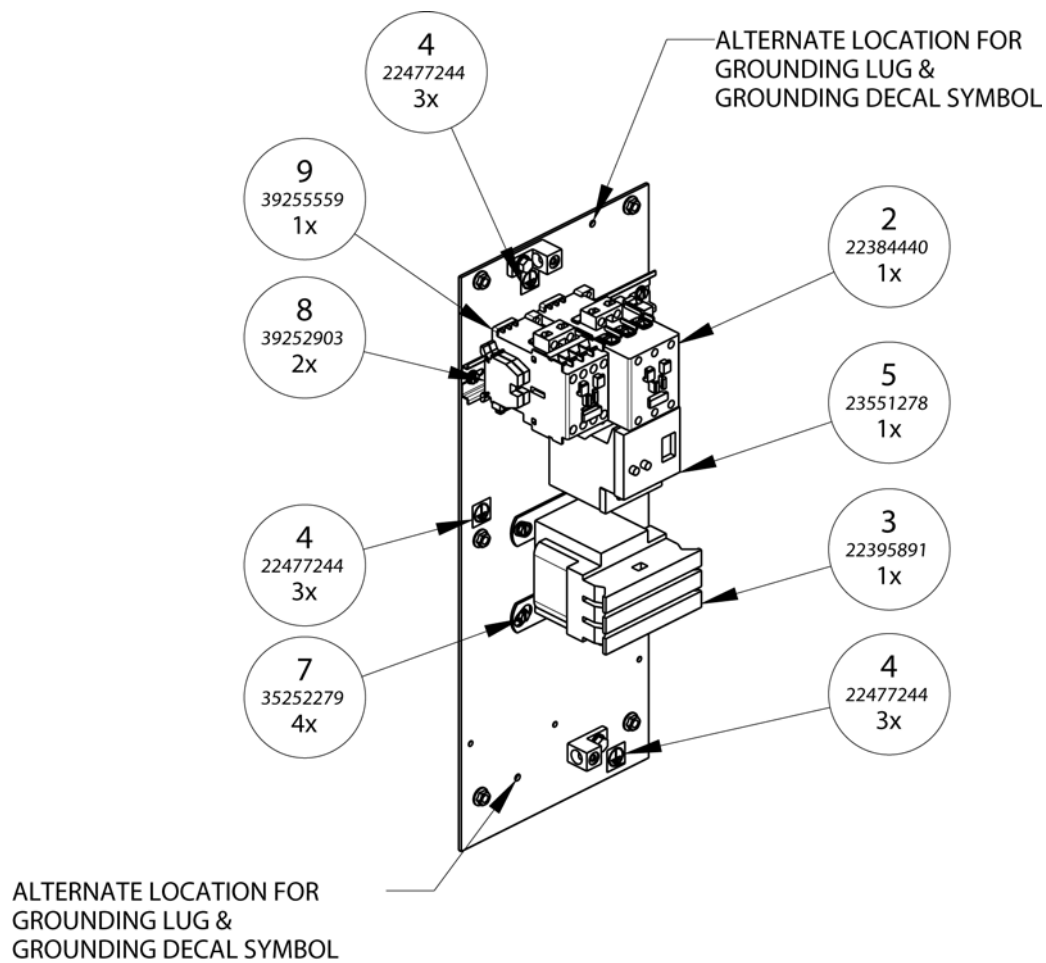
(Dwg. 22429013P6)

PARTS LIST

Item	Part No.	Description	Qty.
1	22411987	RAIL, DIN, 35 WIDE x 200 LONG	1
2	22413991	PLATE, STARTER COMP. MTG. (UP-SERIES)	1
3	32342123	LUG, GROUNDING	2
4	35252279	SCREW, SLOTTED WASHER HEAD TAPPING #10 x .50 LONG ZINC PLATED	2
5	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2
6	96737564	NUT, HEX FLANGE LOCK SERRATED M6-1.00	6

STARTER PANEL (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Starter Components to Mtg. Base - 3 Phase



(Dwg. 22429013P7)

PARTS LIST

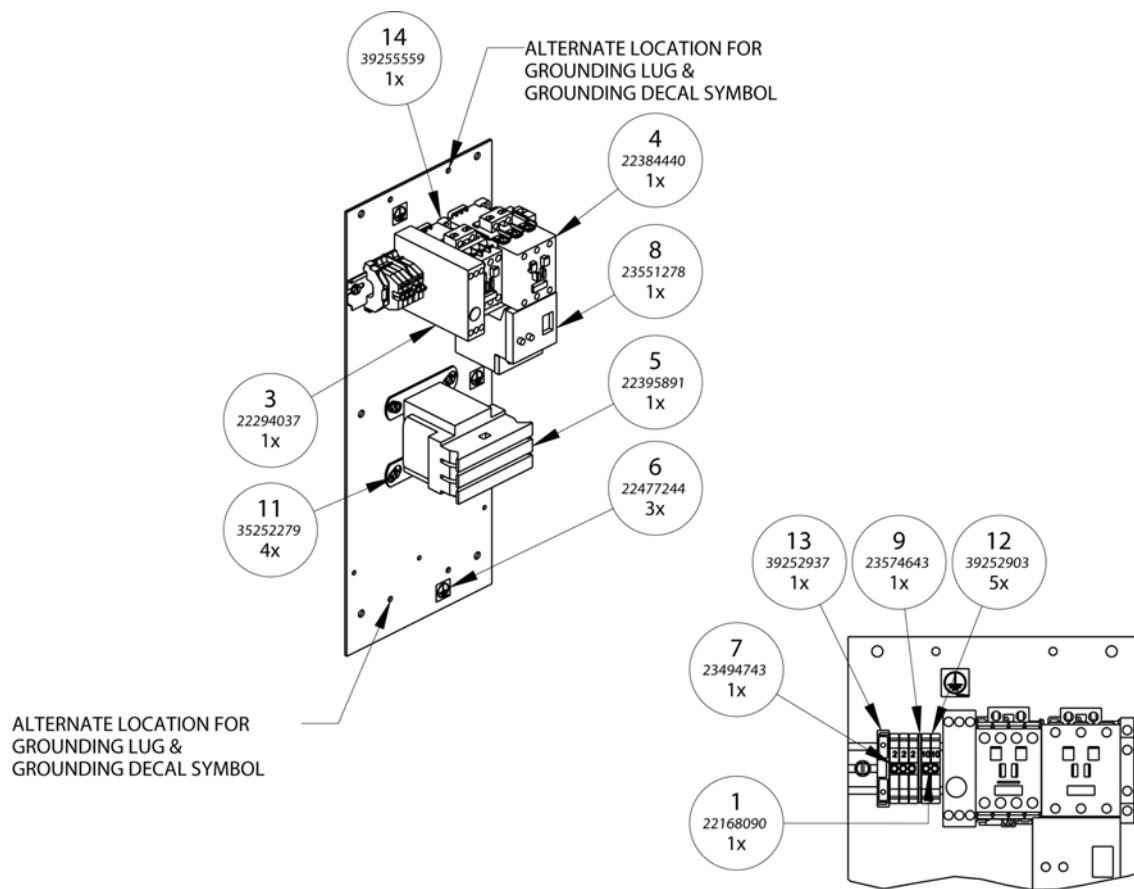
Item	Part No.	Description	Qty.
1	22177299	FUSE, 1.5 AMP TIME DELAY CLASS CC	2
2	22384440	CONTACTOR, 43A (W/ 1 N.C. - R)(A-B P/N 100-C43D01)	1
3	22395891	TRANSFORMER W/FUSE BLOCK, 80VA	1
4	22477244	DECAL, GROUND SYMBOL	3
5	23551278	RELAY, OVERLOAD ALLEN BRADLEY, 193-T1CC47	1
6	32203176	FUSE, 1 AMP UL CLASS CC 600V NON-TIME DELAY	1
7	35252279	SCREW, SLOTTED WASHER HEAD TAPPING #10 x .50 LONG ZINC PLATED	4
8	39252903	BLOCK, TERMINAL	2
9	39255559	RELAY, CONTROL (A-B P/N 700-CF220D)	1

NOTES:

1. STARTER PANEL COMPONENTS.
2. TWO ADDITIONAL TERMINAL BLOCKS #39252903 ARE TO BE MOUNTED TO THE DIN RAIL FOR DOL PACKAGES WITH THE ELECTRIC DRAIN VALVE OPTION.

STARTER PANEL (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Starter Components to Mtg. Base - Single Phase



(Dwg. 22429013P8)

PARTS LIST

Item	Part No.	Description	Qty.
1	22168090	JUMPER, 2-POLE 1492-CJ6-2	1
2	22177299	FUSE, 1.5 AMP TIME DELAY CLASS CC	2
3	22294037	RELAY, DELAY (RESTART) (A-B P/N 700-FSA3GU23)	1
4	22384440	CONTACTOR, 43A (W/ 1 N.C. - R) (A-B P/N 100-C43D01)	1
5	22395891	TRANSFORMER W/FUSE BLOCK, 80VA	1
6	22477244	DECAL, GROUND SYMBOL	3
7	23494743	JUMPER, 3-POLE 1492-CJ6-3	1
8	23551278	RELAY, OVERLOAD ALLEN BRADLEY, 193-T1CC47	1
9	23574643	PLATE, PARTITION (1492-PP3)	1
10	32203176	FUSE, 1 AMP UL CLASS CC 600V NON-TIME DELAY	1
11	35252279	SCREW, SLOTTED WASHER HEAD TAPPING NO. 10 x .50 LONG ZINC PLATED	4
12	39252903	BLOCK, TERMINAL	5
13	39252937	STOP, DIN RAIL N37-75	1
14	39255559	RELAY, CONTROL (A-B P/N 700-CF220D)	1
-	SEE TABLE	STARTER	1

STARTER PANEL (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Starter Components to Mtg. Base - Single Phase

ALTERNATE PARTS LIST

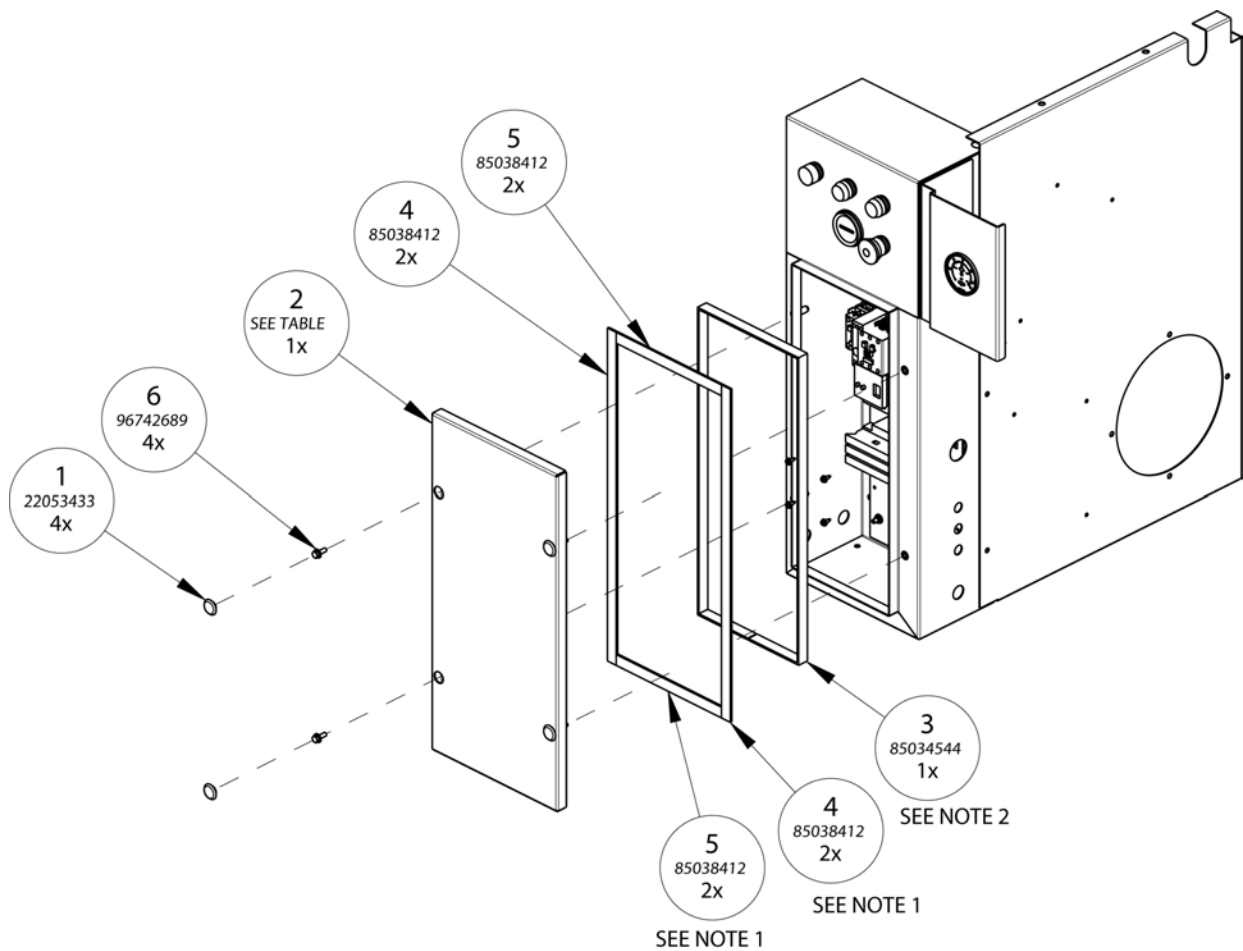
Item	Part No.	Description
	42569343	STARTER 15 hp 200 V 60 Hz F.V.
	42569350	STARTER 15 hp 230V 60 Hz F.V.
	42578948	STARTER 15 hp 380V 60 Hz F.V.
	42569368	STARTER 15 hp 460V 60 Hz F.V.
	42594481	STARTER 15 hp 460V 60 Hz S/D
	42569376	STARTER 15 hp 575V 60 Hz F.V.
	42569384	STARTER 10 hp 200V 60 Hz F.V.
	42569392	STARTER 10 hp 230V 60 Hz F.V.
	42578930	STARTER 10 hp 380V 60 Hz F.V.
	42569400	STARTER 10 hp 460V 60 Hz F.V.
	42594499	STARTER 10 hp 460V 60 Hz S/D
	42569418	STARTER 10 hp 575V 60 Hz F.V.
	42569426	STARTER 7.5 hp 200V 60 Hz F.V.
	42569434	STARTER 7.5 hp 230V 60 Hz F.V.
	42578922	STARTER 7.5 hp 380V 60 Hz F.V.
	42569442	STARTER 7.5 hp 460V 60 Hz F.V.
	42569459	STARTER 7.5 hp 575V 60 Hz F.V.
	42569467	STARTER 7.5 hp 230/1/60 F.V.
	42569475	STARTER 5 hp 200V 60 Hz F.V.
	42569483	STARTER 5 hp 230V 60 Hz F.V.
	42578914	STARTER 5 hp 380V 60 Hz F.V.
	42569491	STARTER 5 hp 460V 60 Hz F.V.
	42569509	STARTER 5 hp 575V 60 Hz F.V.
	42578906	STARTER 5 hp 200/1/60 F.V.
	42569517	STARTER 5 hp 230/1/60 F.V.
	42569566	STARTER 11 kW 380/400/415V 50 Hz S/D
	42569608	STARTER 11 kW 220V 50 Hz & 15HP 230V 60 Hz S/D
	42569574	STARTER 7.5 kW 380/400/415V 50 Hz S/D
	42574269	STARTER 7.5 kW 380/400/415V 50 Hz F.V.
	42569616	STARTER 7.5 kW 220V 50 Hz & 10 hp 230V 60 Hz S/D
	42574293	STARTER 7.5 kW 220V 50 Hz F.V.
	42569582	STARTER 5.5 kW 380/400/415V 50 Hz S/D
	42574277	STARTER 5.5 kW 380/400/415V 50 Hz F.V.
	42569624	STARTER 5.5 kW 220V 50 Hz S/D
	42574301	STARTER 5.5 kW 220V 50 Hz F.V.
	42569590	STARTER 4 kW 380/400/415V 50 Hz S/D
	42574285	STARTER 4 kW 380/400/415V 50 Hz F.V.
	42569632	STARTER 4 kW 220V 50 Hz S/D
	42574319	STARTER 4 kW 220V 50 Hz F.V.

NOTES:

1. SEE STARTER PANEL COMPONENTS.
2. TWO ADDITIONAL TERMINAL BLOCKS #39252903 ARE TO BE MOUNTED TO THE DIN RAIL FOR DOL PACKAGES WITH THE ELECTRIC DRAIN VALVE OPTION.

STARTER PANEL (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Starter Panel Door



(Dwg. 22429013P9)

PARTS LIST

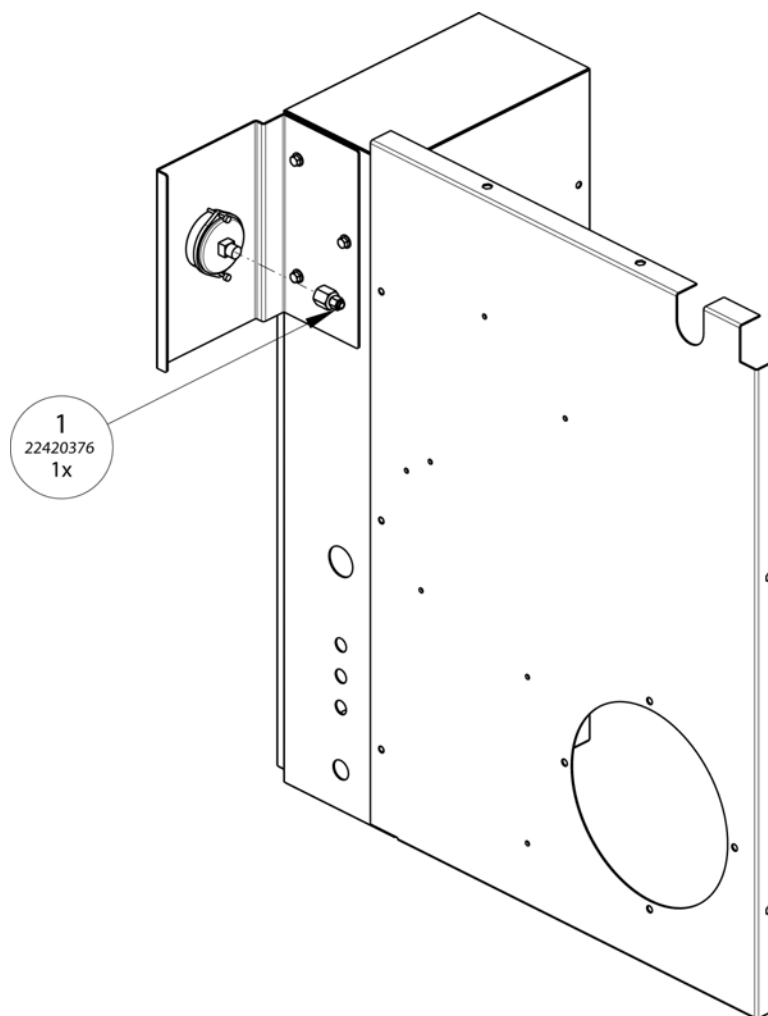
Item	Part No.	Description	Qty.
1	22053433	CAP, PLASTIC 18 mm HOLE	4
2	22479232	STARTER PANEL (NEMA 1)	1
	22398366	STARTER PANEL (IP55/NEMA 4)	
3	85034544	GASKET, SLIDE ON	1
4	85038412	GASKET, 1/8" x 3/4" x 23.25" LG. (ADHESIVE BACKED)	2
5	85038412	GASKET, 1/8" x 3/4" x 9" LG. (ADHESIVE BACKED)	2
6	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	4

NOTES:

1. ADHESIVE BACKED GASKET STRIPS SHOWN ARE TO BE APPLIED TO THE BACK FLANGE SURFACES OF THE STARTER BOX COVER ON NEMA4/IP55 PACKAGES ONLY.
2. SLIDE ON GASKET GOES ON THE STARTER BOX ON NEMA 4/IP55 PACKAGES ONLY. USE SILICONE SEALANT TO CONNECT OPEN ENDS.

STARTER PANEL (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Gauge to Pressure Switch Tube



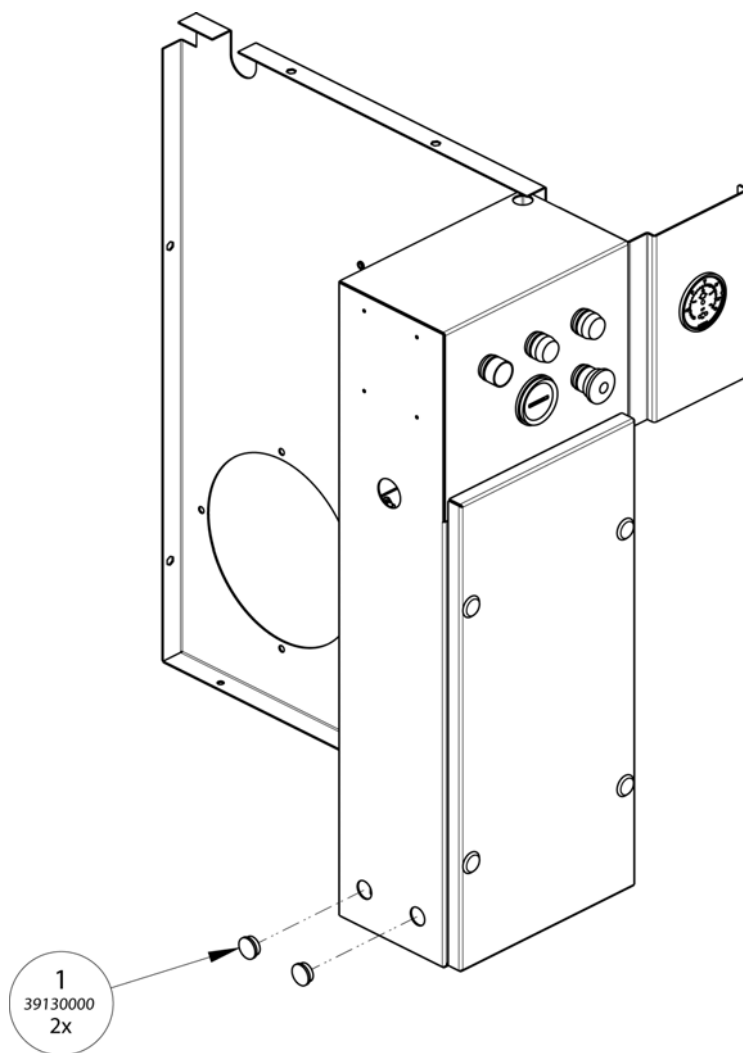
(Dwg. 22429013P10)

PARTS LIST

Item	Part No.	Description	Qty.
1	22420376	CONNECTOR, METRU-LOK 6 mm TUBE x 1/4" FNPT	1

STARTER PANEL (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Plugs in Left Side of Starter Box



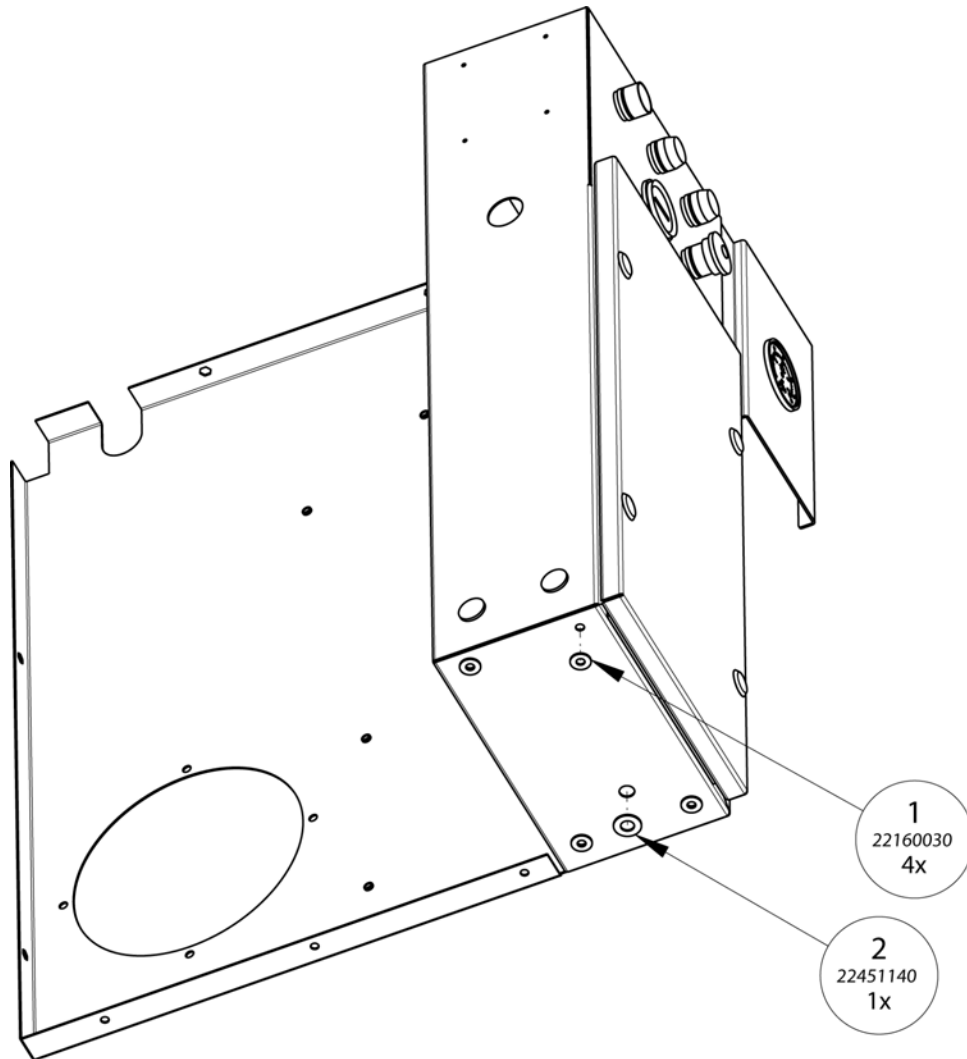
(Dwg. 22429013P11)

PARTS LIST

Item	Part No.	Description	Qty.
1	39130000	KNOCKOUT PLUG, .50" PLASTIC	2

STARTER PANEL (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble grommets into bottom of starter box (for NEMA4/IP55 only)



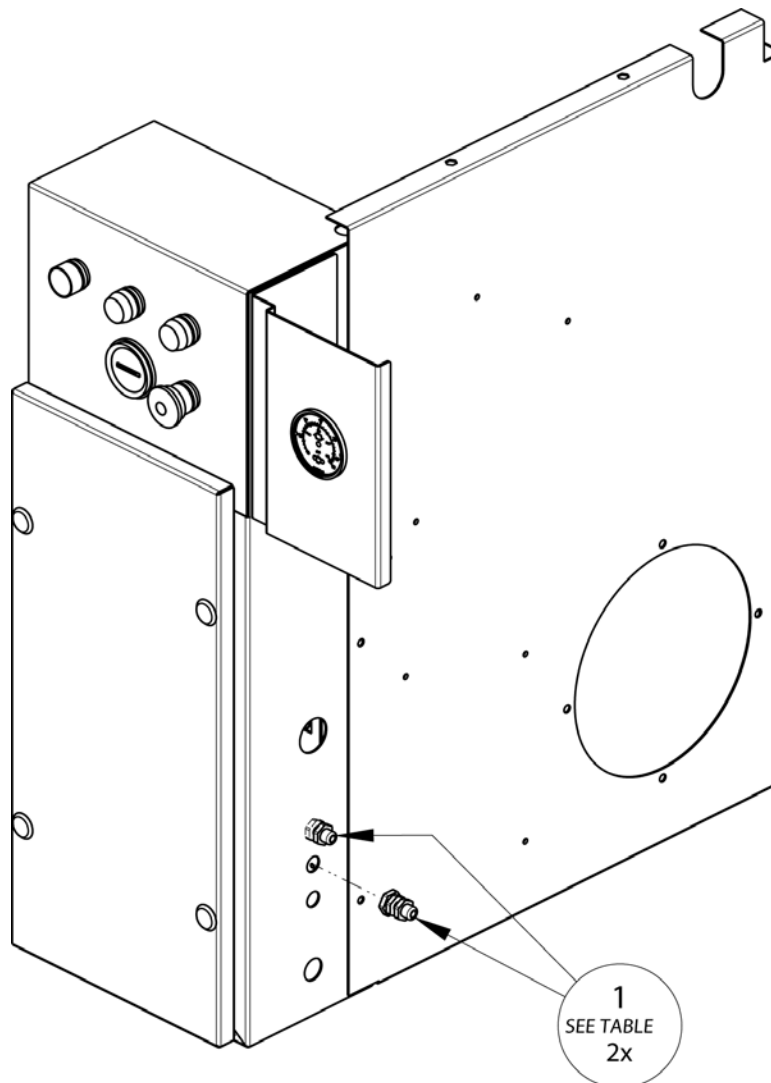
(Dwg. 22429013P12)

PARTS LIST

Item	Part No.	Description	Qty.
1	22160030	WASHER, NEOPRENE (WITH ADHESIVE BACKING)	4
2	22451140	WASHER, NEOPRENE (WITH ADHESIVE BACKING)	1

STARTER PANEL (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Cable Gland or Plug into Starter Box



(Dwg. 22429013P13)

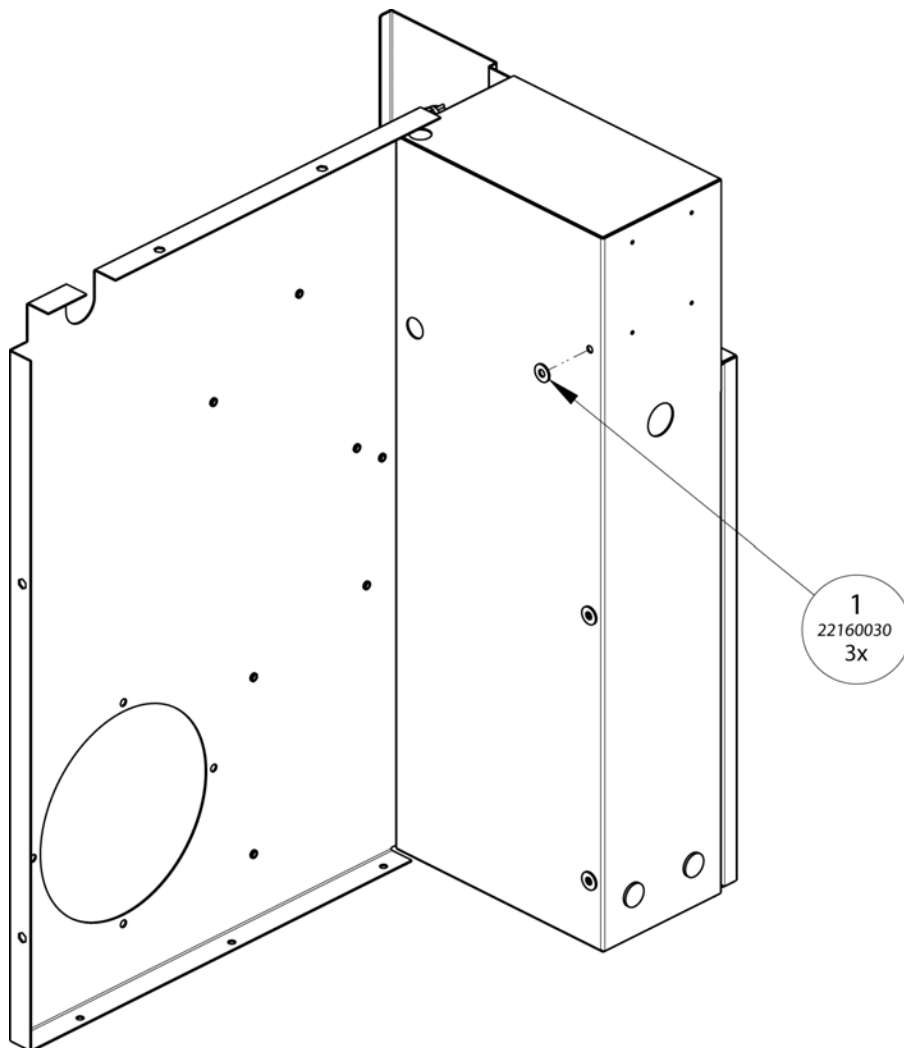
PARTS LIST

Item	Part No.	Description	Qty.
1	SEE TABLE	GLAND, CABLE OR PLUG	2

Part No.	Description	Single Phase FV Start		Three Phase FV Start		Star-Delta Start	
		NEMA 1	NEMA 4	NEMA 1	NEMA 4	NEMA 1	NEMA 4
92877018	CABLE GLA ND	2	2	0	2	1	2
39155353	PLUG, 1/4" SYNFL x	0	0	0	2	0	1
54382023	PLUG, 16MM HOLE	0	0	2	0	1	0

STARTER PANEL (UP-SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Adhesive Backed Neoprene Washers to Back of Starter Box (NEMA4/IP55 only)



(Dwg. 22429013P14)

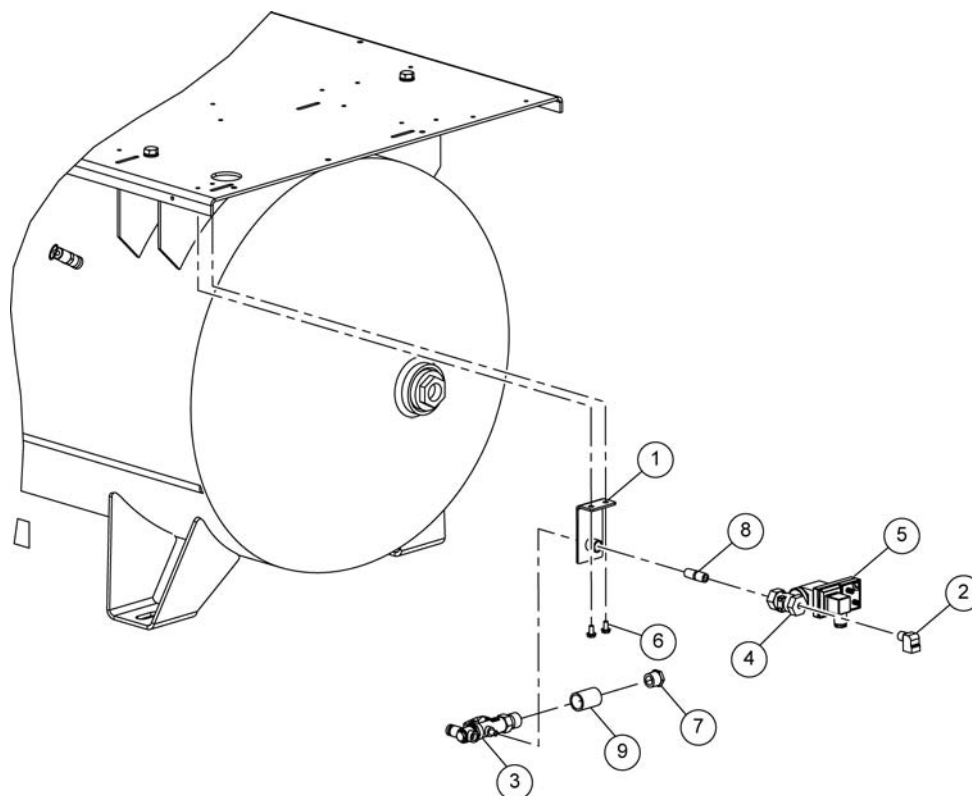
PARTS LIST

Item	Part No.	Description	Qty.
1	22160030	WASHER, NEOPRENE (WITH ADHESIVE BACKING)	3

DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW

ASSEMBLY DRAWING AND PARTS LIST

Assemble Electric Drain Valve



(Dwg. 22511034P2)

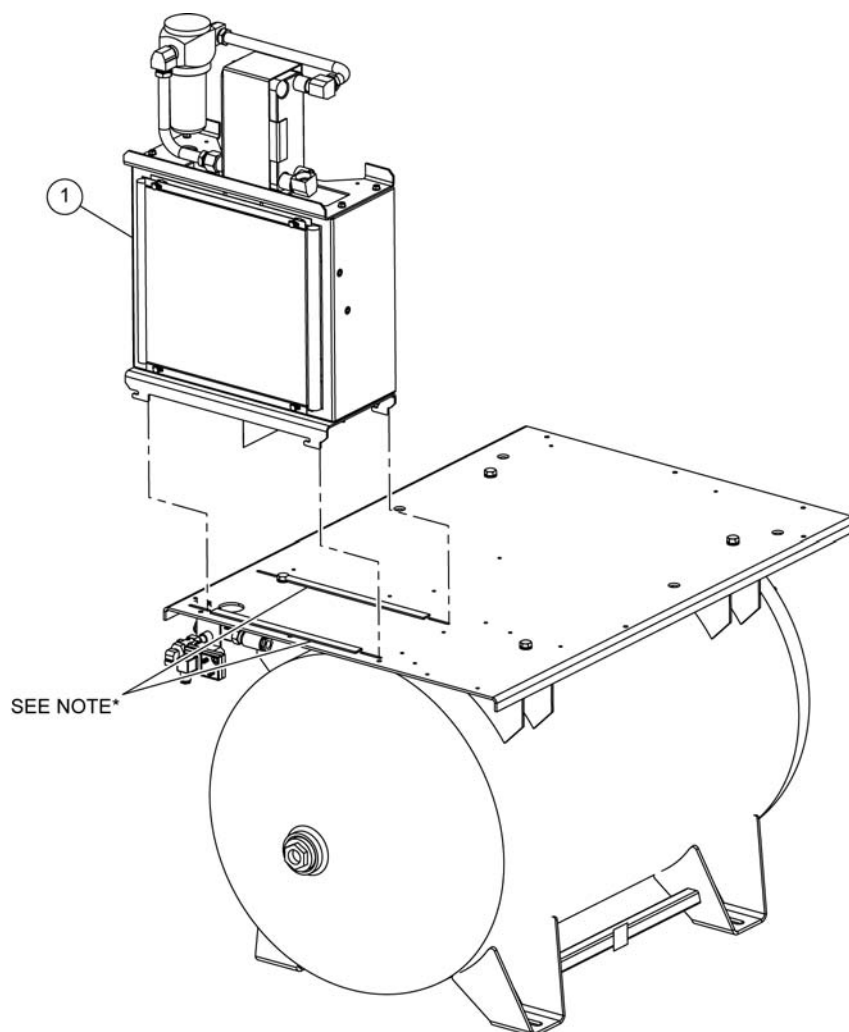
PARTS LIST

Item	Part No.	Description	Qty.
1	22457824	BRACKET, MTG. (EDV-2000)UP-SERIES 5-15 hp	1
2	37143542	1/4" STREET ELBOW	1
3	54410931	ASSY., ELECTRIC DRAIN VALVE (W/0.437" ORIFICE)	1
4	54410931	SOLENOID VALVE BODY (COMPONENT OF 54410931)	1
5	54410931	SOLENOID VALVE CONTROLS (COMPONENT OF 54410931)	1
6	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2
7	95037412	BUSHING, REDUCER 0.50 NPT x 0.25 FNPT	1
8	95944567	NIPPLE, EXTRA STRONG 0.25 NPT x 1.50 LONG	1
9	95952388	COUPLING, STANDARD 0.50 NPT x 1.50 LONG	

DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW

ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Module to Subbase



(Dwg. 22511034P3)

PARTS LIST

Item	Part No.	Description	Qty.
1	SEE TABLE	DRYER, X-CHILL	1
2	85038412	GASKET (ADHESIVE BACKED)	SEE TABLE

Group	Dryer	Gasket Qty.
60 Hz 10/15 hp 60 Hz 10/15 hp (W/BYPASS)	42567933	0.08 ROLL
60 Hz 5/7.5 hp 60 Hz 5/7.5 hp (W/BYPASS)	42568428	0.08 ROLL
50 Hz 4/11 kW 50 Hz 4/11 kW (W/BYPASS)	42564591	0.04 ROLL

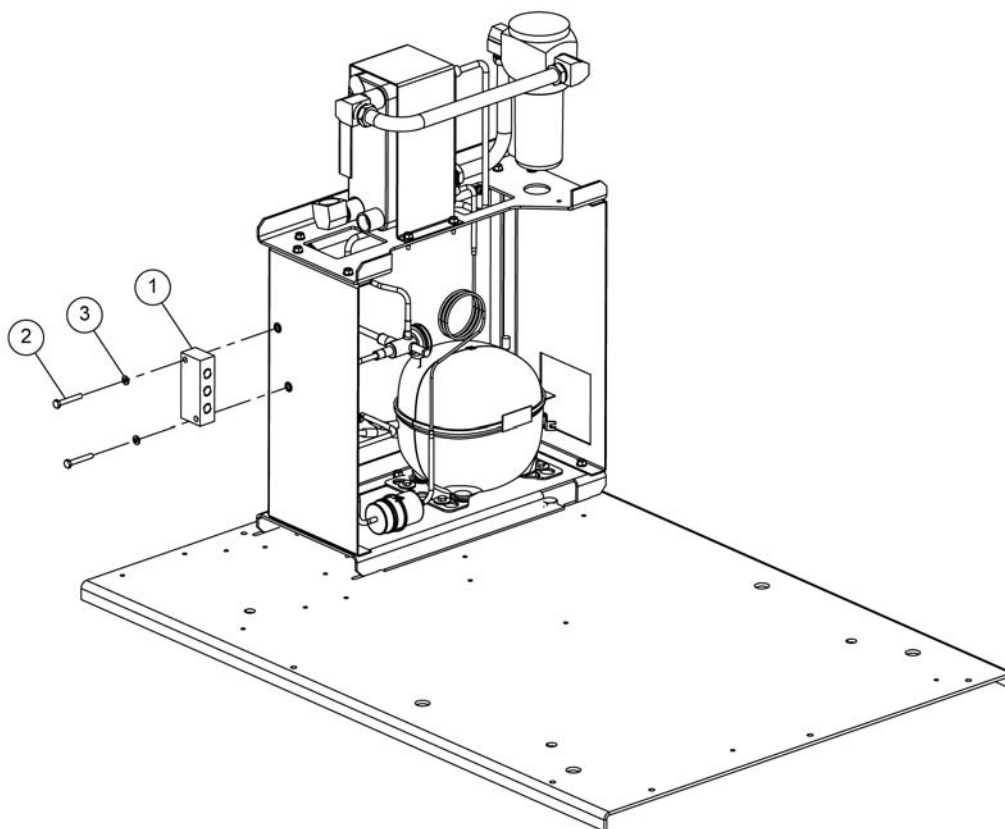
NOTE:

APPLY TWO STRIPS OF GASKET TAPE TO BASE BETWEEN DRYER MOUNTING SLOTS.

DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW

ASSEMBLY DRAWING AND PARTS LIST

Assemble Condensate Manifold Block to Dryer Module



(Dwg. 22511034P4)

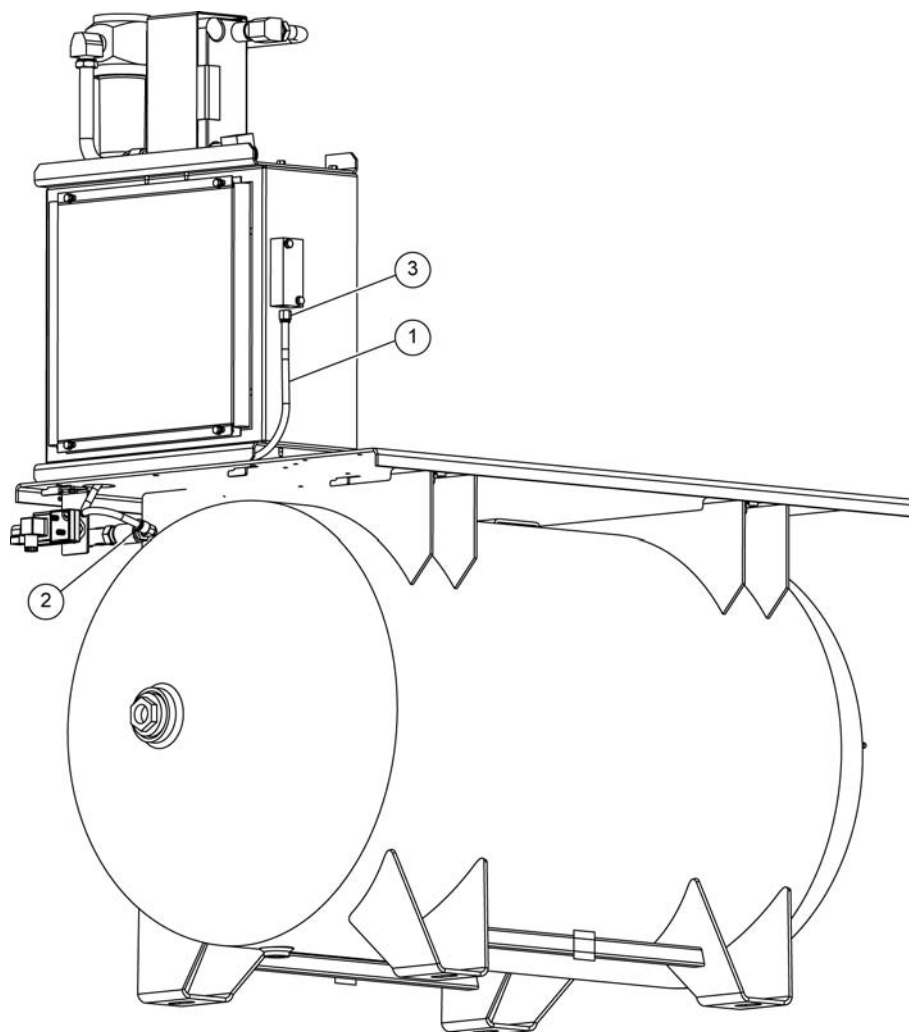
PARTS LIST

Item	Part No.	Description	Qty.
1	22480107	MANIFOLD, CONDENSATE (UP-SERIES DRYER)	1
2	96706809	SCREW, HEX HEAD M6-1.00 x 40.0 LONG	2
3	96727573	WASHER, SPRING LOCK, CURVED TYPE A, M6	2

DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW

ASSEMBLY DRAWING AND PARTS LIST

Assemble Tube from Condensate Manifold Block to Electric Drain Valve



(Dwg. 22511034P5)

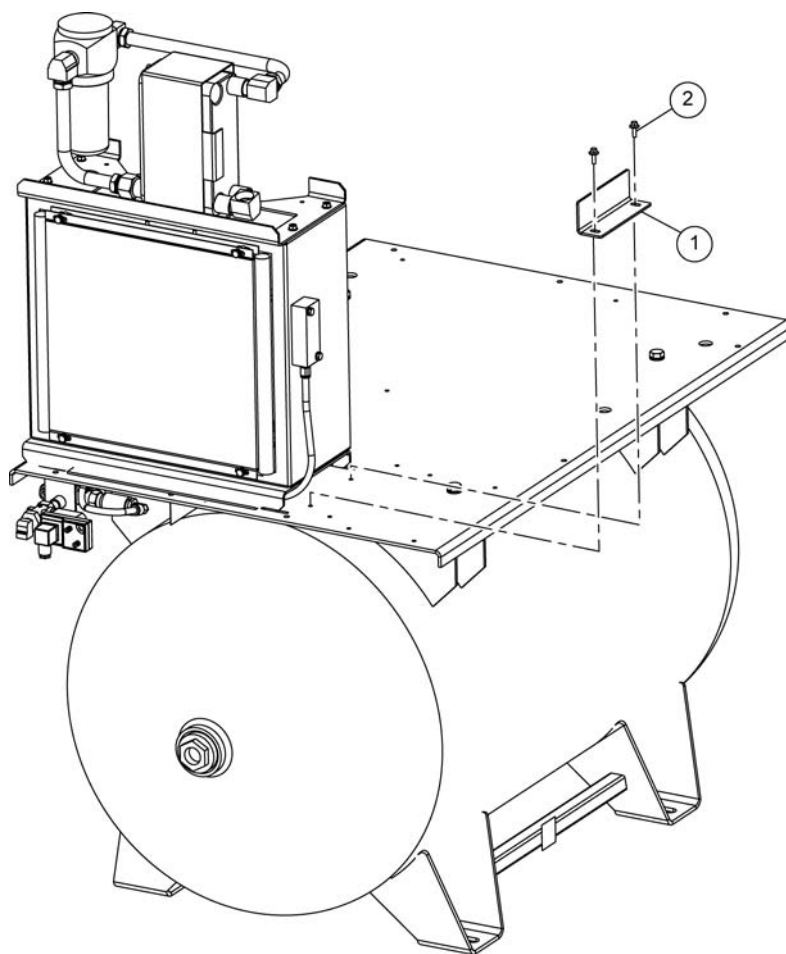
PARTS LIST

Item	Part No.	Description	Qty.
1	39124821	TUBE, 0.375" SYNFLEX	2.5 FT.
2	39155650	ELBOW, 0.25 NPT x 0.38 TUBING	1
3	39156419	CONNECTOR, 0.25 NPT x 0.38 TUBING	1

DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW

ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Mounting Bracket



(Dwg. 22511034P6)

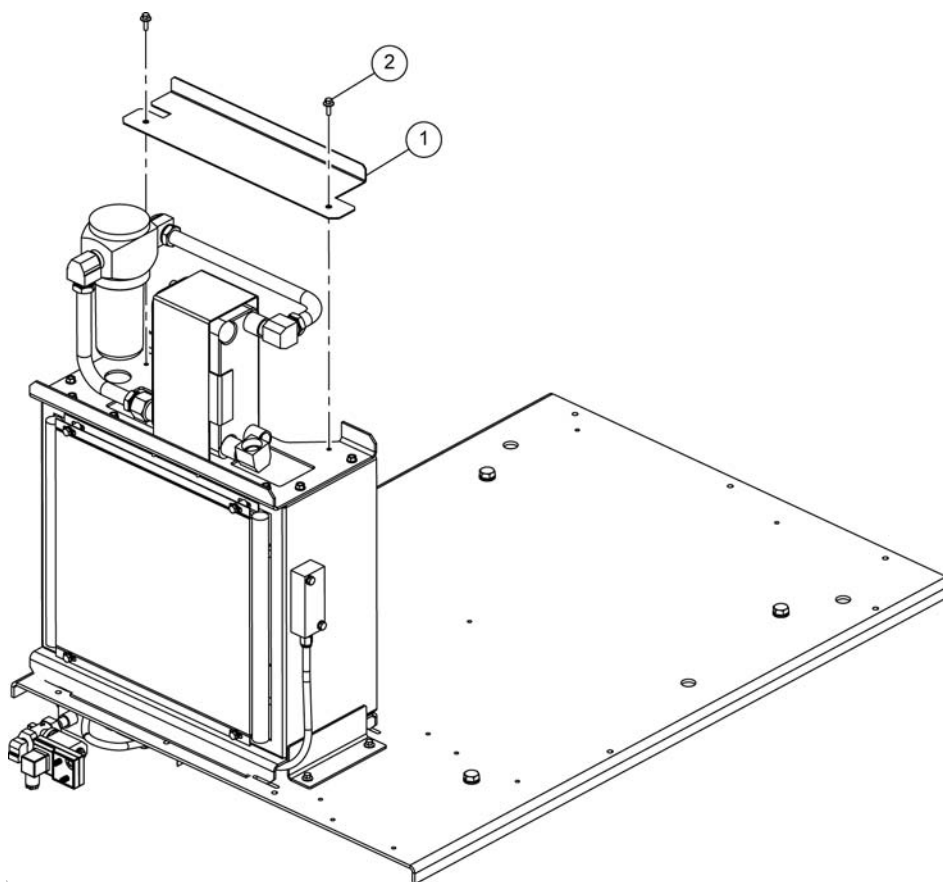
PARTS LIST

Item	Part No.	Description	Qty.
1	22458756	BRACKET, DRYER MTG. UP-SERIES 5-15 hp	1
2	39917489	SCREW, HEX HEAD FLANGE M6 x 16.0 LONG	2

DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW

ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Top Guard



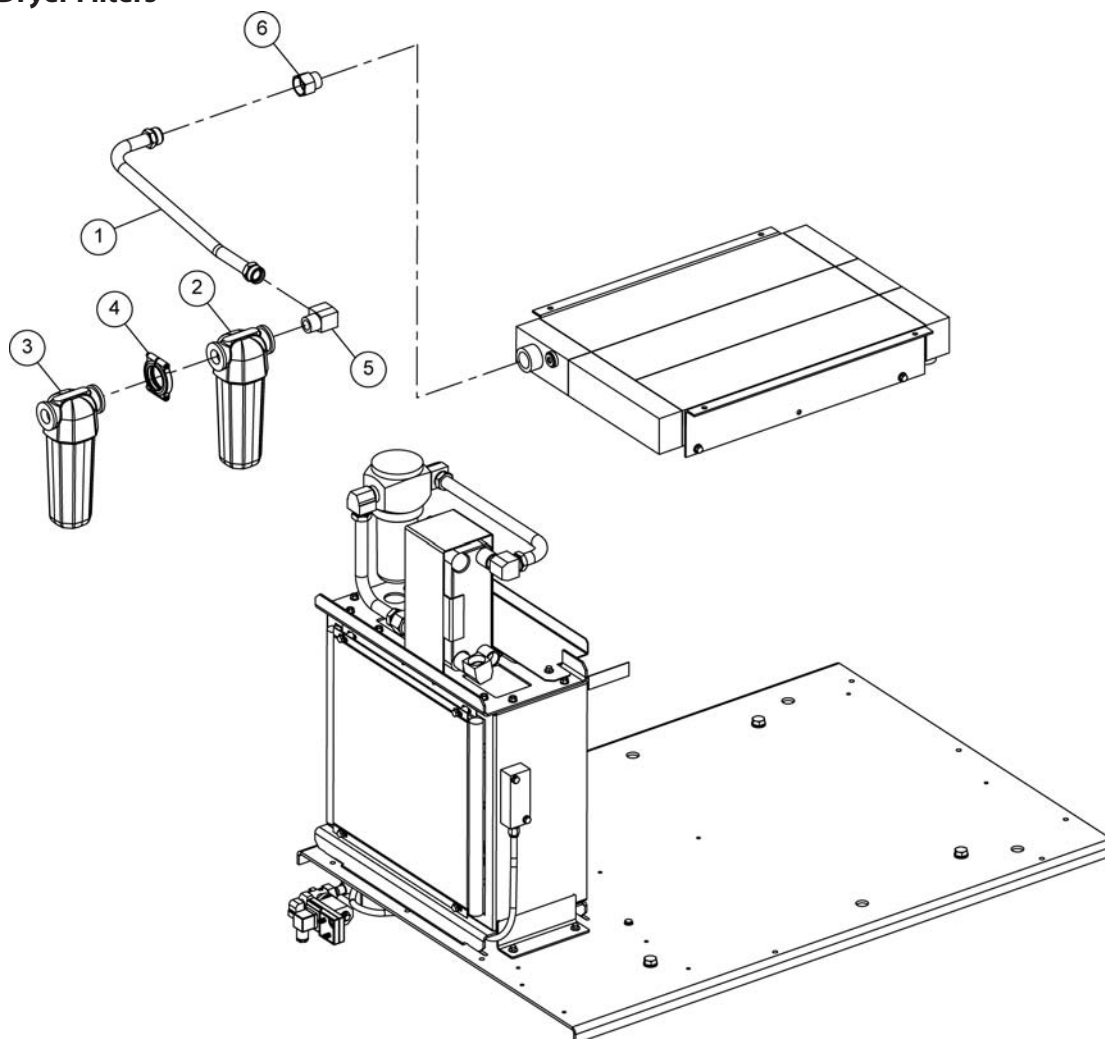
(Dwg. 22511034P7)

PARTS LIST

Item	Part No.	Description	Qty.
1	22479356	GUARD, DRYER (TOP) (UP-SERIES 5-15 hp)	1
2	39917489	SCREW, HEX HEAD FLANGE M6 x 16.0 LONG	2

DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Filters



(Dwg. 22511034P8)

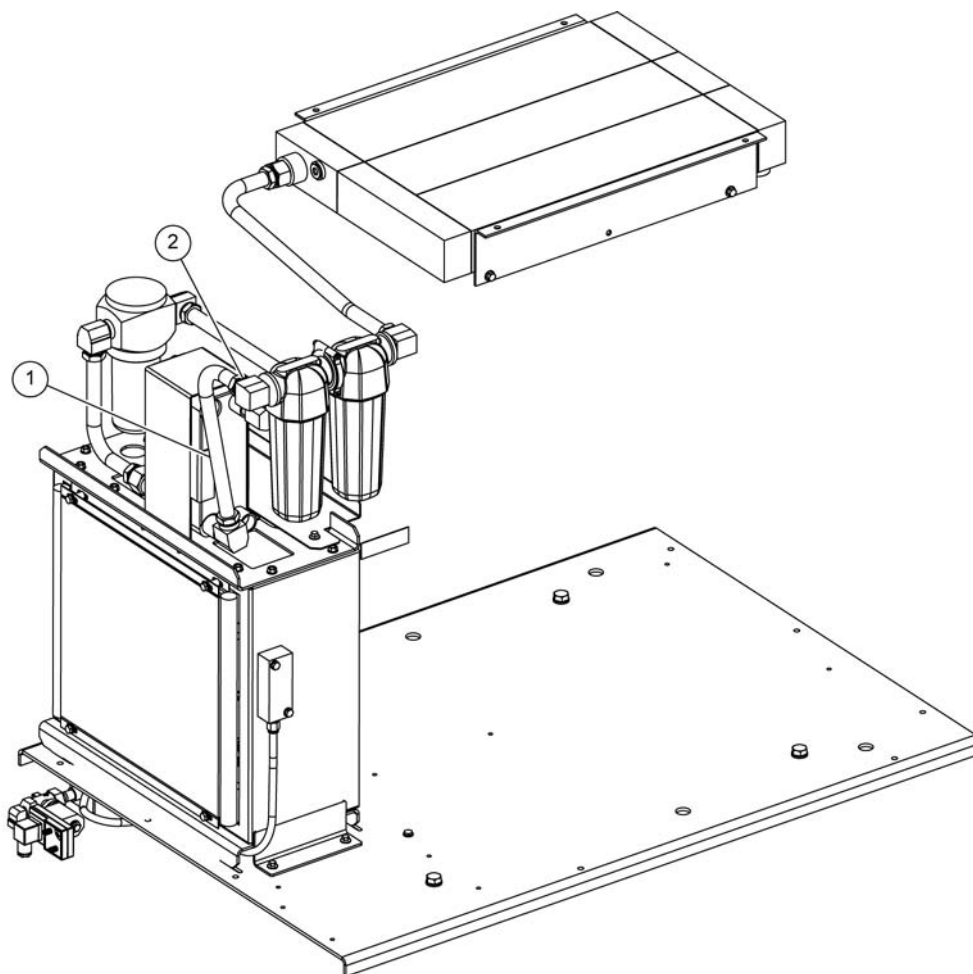
PARTS LIST

Item	Part No.	Description	Qty.
1	22402838	TUBE ASSY., DISCHARGE (COMPR. DISCH./FILTERS)	1
2	24233454	FILTER, COMPRESSED AIR GENERAL PURPOSE (60 Hz 10/15 hp, 50 Hz 7.5/11 kW)	1
	24233371	FILTER, COMPRESSED AIR GENERAL PURPOSE (60 Hz 5/7.5 hp, 50 Hz 4/5.5 kW)	1
3	24233470	FILTER, COMPRESSED AIR HIGH EFFICIENCY (60 Hz 10/15 hp, 50Hz 7.5/11 kW)	1
	24233397	FILTER, COMPRESSED AIR HIGH EFFICIENCY (60 Hz 5/7.5 hp, 50 Hz 4/5.5 kW)	1
4	24361925	CLAMP KIT FC75I-FC110I	1
5	95031761	ELBOW, INVERTED FLARE 90 DEG MALE 0.75 TUBE x 0.75 NPT	1
6	95083275	CONNECTOR, INVERTED FLARE 0.75 NPT x 0.75 TUBE	1

DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW

ASSEMBLY DRAWING AND PARTS LIST

Assemble Tube Assembly from Filters to Heat Exchanger



(Dwg. 22511034P9)

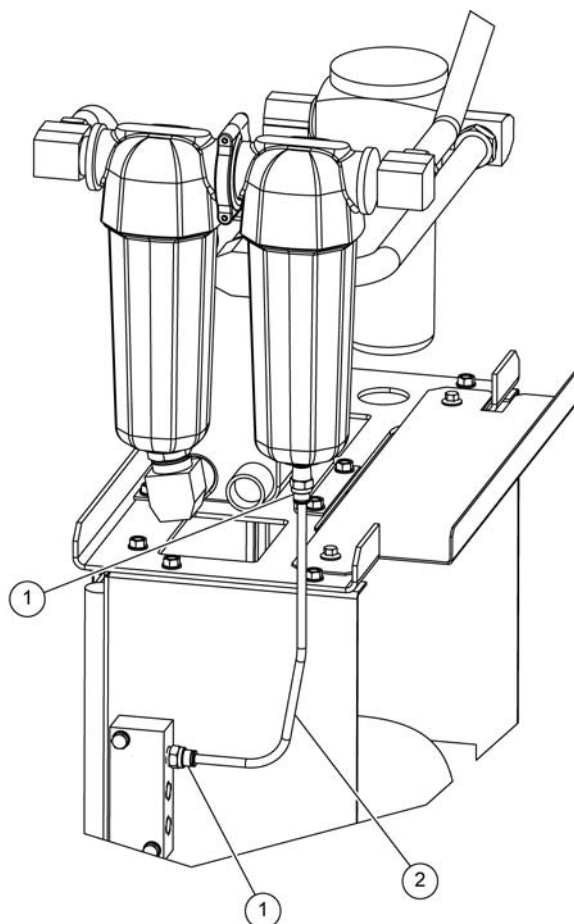
PARTS LIST

Item	Part No.	Description	Qty.
1	23317019	TUBE, FILTERS/DRYER INLET	1
2	95031761	ELBOW, INVERTED FLARE 90 DEG MALE 0.75 TUBE x 0.75 NPT	1

DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW

ASSEMBLY DRAWING AND PARTS LIST

Assemble Condensate Tube from General Purpose Filter to Condensate Manifold Block



(Dwg. 22511034P10)

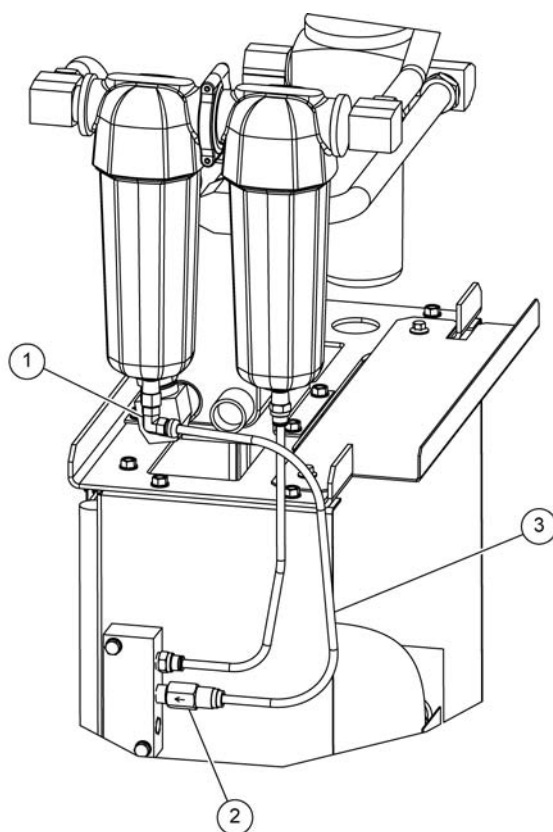
PARTS LIST

Item	Part No.	Description	Qty.
1	22601371	CONNECTOR, MALE 0.25" NPT x 6 mm TUBE	2
2	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	0.7 FT.

DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW

ASSEMBLY DRAWING AND PARTS LIST

Assemble Condensate Tube from High Efficiency Filter to Condensate Manifold Block



(Dwg. 22511034P11)

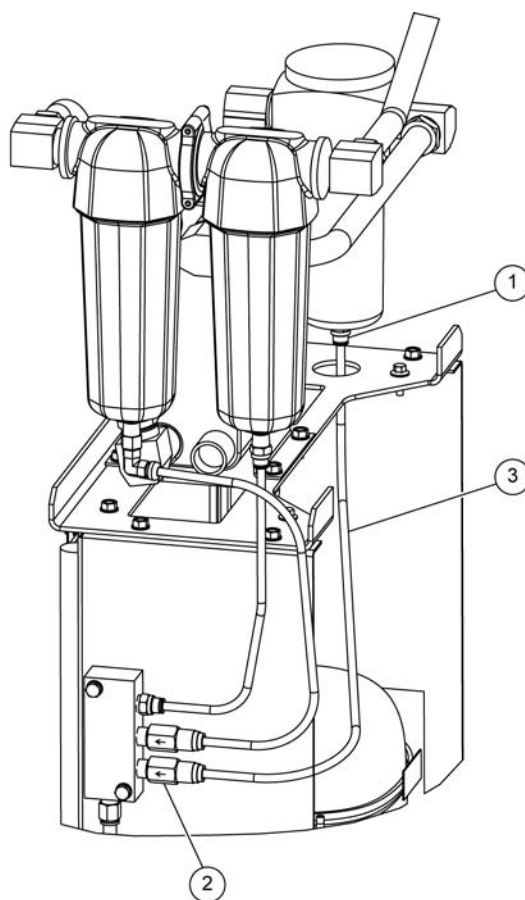
PARTS LIST

Item	Part No.	Description	Qty.
1	22601389	ELBOW, MALE 0.25" NPT x 6 mm TUBE	1
2	22602197	VALVE, CHECK 1/4" NPT MALE x 6 mm TUBE	1
3	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	1 FT.

DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW

ASSEMBLY DRAWING AND PARTS LIST

Assemble Condensate Tube from Moisture Separator to Condensate Manifold Block



(Dwg. 22511034P12)

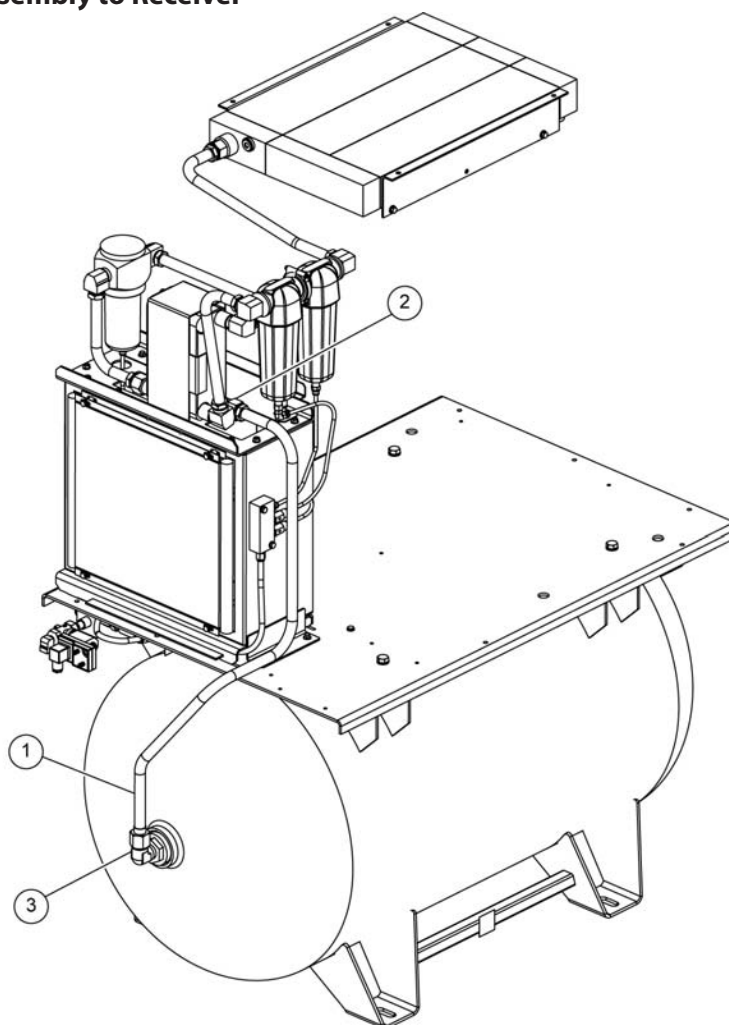
PARTS LIST

Item	Part No.	Description	Qty.
1	22601371	CONNECTOR, MALE 0.25" NPT x 6 mm TUBE	1
2	22602197	VALVE, CHECK 1/4" NPT MALE x 6 mm TUBE	1
3	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	2.2 FT.

DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW

ASSEMBLY DRAWING AND PARTS LIST

Assemble Discharge Tube Assembly to Receiver



(Dwg. 22511034P13)

PARTS LIST

Item	Part No.	Description	Qty.
1	22435200	TUBE, ASSY., DISCHARGE, 80 GAL. - 24" DIA (STD)	1
	22479794	TUBE, ASSY., DISCHARGE, 80 GAL. - 24" DIA (W/DRYER)	1
	22506455	TUBE, ASSY., DISCHARGE, 80 GAL. - 24" DIA DRYER PKG. W/BYPASS)	1
	22441414	TUBE, ASSY., DISCHARGE, 120 GAL. (STD)	1
	22479802	TUBE, ASSY., DISCHARGE, 120 GAL. (W/DRYER)	1
	22506463	TUBE, ASSY., DISCHARGE, 120 GAL. (DRYER PKG. W/BYPASS)	1
	22469597	TUBE, ASSY., DISCHARGE, 272 LITRE (STD)	1
	22479810	TUBE, ASSY., DISCHARGE, 272 LITRE (W/DRYER)	1
	22506471	TUBE, ASSY., DISCHARGE, 272 LITRE (DRYER PKG. W/BYPASS)	1
	22771281	TUBE, ASSY., DISCHARGE, 272 LITRE (STD)-ESA	1
	22771299	TUBE, ASSY., DISCHARGE, 272 LITRE (W/DRYER)-ESA	1
	22771307	TUBE, ASSY., DISCHARGE, 272 LITRE (DRYER PKG. W/BYPASS)-ESA	1
	22469613	TUBE, ASSY., DISCHARGE, 500 LITRE (STD)	1
	22479828	TUBE, ASSY., DISCHARGE, 500 LITRE (W/DRYER)	1

DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW ASSEMBLY DRAWING AND PARTS LIST

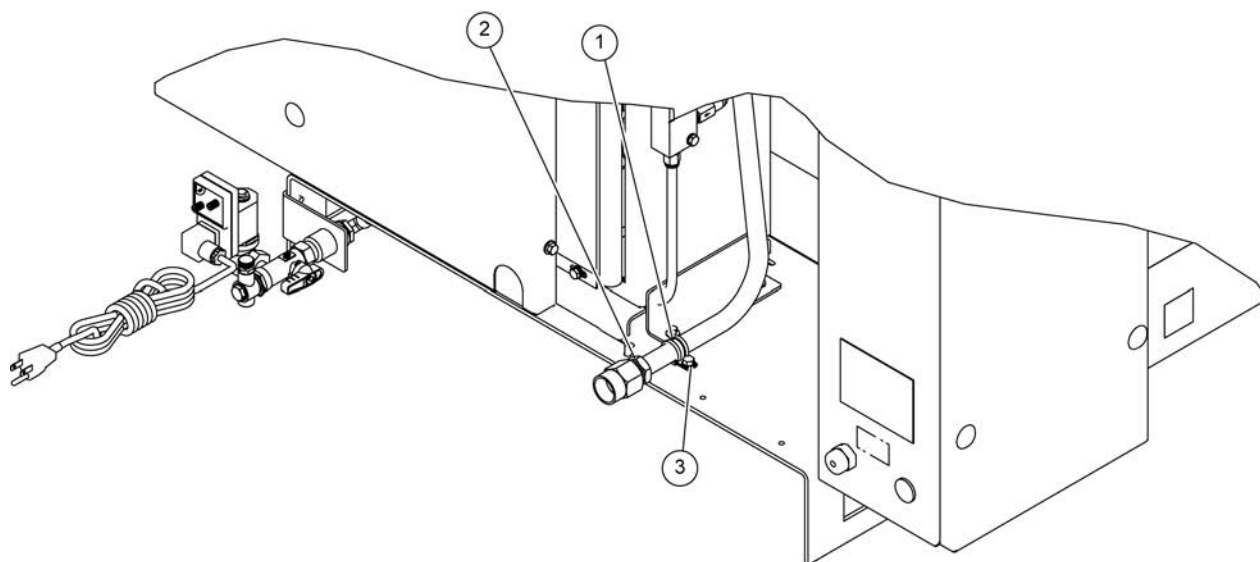
PARTS LIST CONTINUED

Item	Part No.	Description	Qty.
1	22506489	TUBE, ASSY., DISCHARGE, 500 LITRE (DRYER PKG. W/BYPASS)	1
	22771315	TUBE, ASSY., DISCHARGE, 500 LITRE (STD)-ESA	1
	22771323	TUBE, ASSY., DISCHARGE, 500 LITRE (W/DRYER)-ESA	1
	22771331	TUBE, ASSY., DISCHARGE, 500 LITRE (DRYER PKG. W/BYPASS)-ESA	1
	24435687	TUBE, ASSY., DISCHARGE, 80 GAL. - 20" DIA (STD)	1
	24436545	TUBE, ASSY., DISCHARGE, 80 GAL. - 20" DIA (W/DRYER)	1
	24436701	TUBE, ASSY., DISCHARGE, 80 GAL. - 20" DIA (DRYER PKG. W/BYPASS)	1
2	95083259	CONNECTOR, INVERTED FLARE .50 NPT x .75 TUBE	1
3	95937637	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 80 GAL. - 24" DIA (STD)	1
	95937637	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 80 GAL. - 24" DIA (W/DRYER)	1
	95937637	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 80 GAL. - 24" DIA DRYER PKG. W/BYPASS)	1
	95937637	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 120 GAL. (STD)	1
	95937637	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 120 GAL. (W/DRYER)	1
	95937637	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 120 GAL. (DRYER PKG. W/BYPASS)	1
	92176692	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 272 LITRE (STD)	1
	92176692	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 272 LITRE (W/DRYER)	1
	92176692	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 272 LITRE (DRYER PKG. W/BYPASS)	1
	92176692	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 272 LITRE (STD)-ESA	1
	92176692	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 272 LITRE (W/DRYER)-ESA	1
	92176692	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 272 LITRE (DRYER PKG. W/BYPASS)-ESA	1
	92176692	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 500 LITRE (STD)	1
	92176692	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 500 LITRE (W/DRYER)	1
	92176692	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 500 LITRE (DRYER PKG. W/BYPASS)	1
	92176692	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 500 LITRE (STD)-ESA	1
	92176692	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 500 LITRE (W/DRYER)-ESA	1
	92176692	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 500 LITRE (DRYER PKG. W/BYPASS)-ESA	1
	32145088	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 80 GAL. - 20" DIA (STD)	1
	32145088	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 80 GAL. - 20" DIA (W/DRYER)	1
	32145088	ELBOW 0.75 TUBE x 0.75 NPT OR BSPT, 80 GAL. - 20" DIA (DRYER PKG. W/BYPASS)	1

DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW

ASSEMBLY DRAWING AND PARTS LIST

Assemble Discharge Tube Assembly to Baseplate



(Dwg. 22511034P14)

PARTS LIST

Item	Part No.	Description	Qty.
1	22480446	CLAMP, 0.75" TUBE INSULATED	1
2	23288566	TUBE, ASSY., DISCHARGE (BASEPLATE W/DRYER)	1
	23288574	TUBE, ASSY., DISCHARGE (DYER PACKAGE W/BYPASS)	1
3	92368687	SCREW, TPG M6 x 1.0 x 14 LG	1

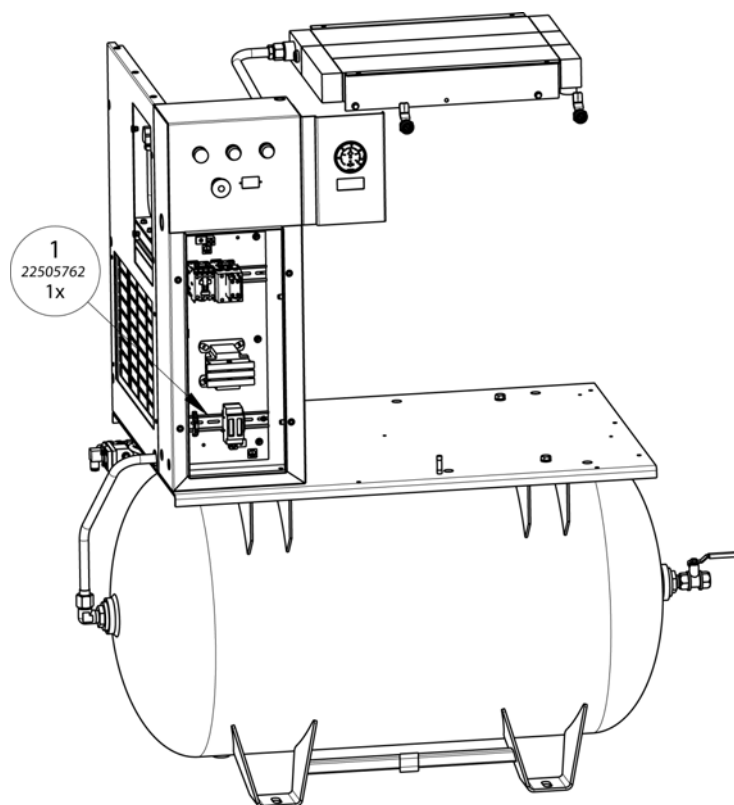
NOTE:

1.BSPT GROUPS HAVE AN ADAPTER FROM NPT TO BSPT.

2.SAME CLAMP 22480446 AND SCREW 92368687 REQUIRED FOR 20" DIA TANK ASSEMBLY.

DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW ASSEMBLY DRAWING AND PARTS LIST

Assembly Dryer Starter Assembly into Starter Panel



(Dwg. 22511034P15)

PARTS LIST

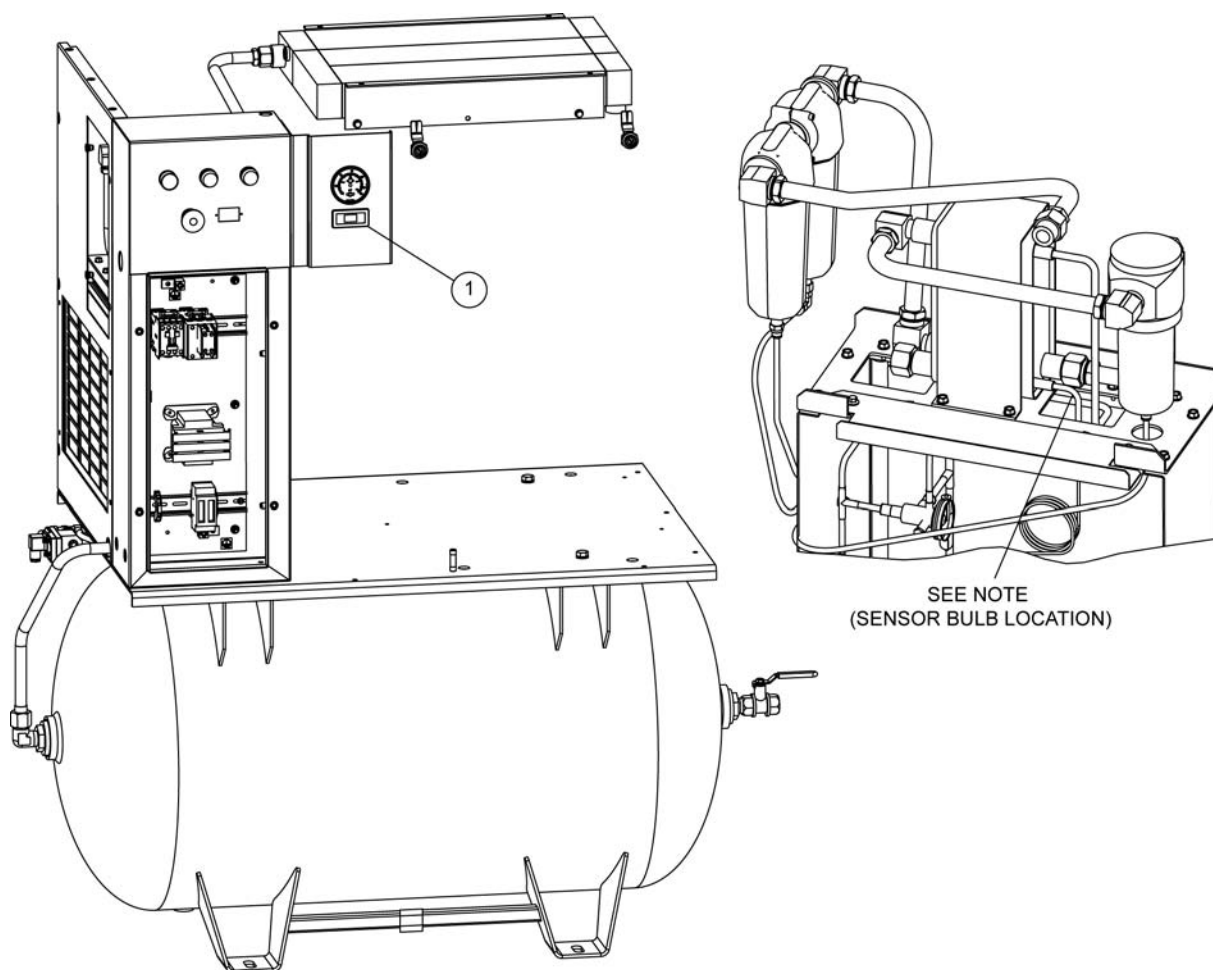
Item	Part No.	Description	Qty.
1	22505762	ASSEMBLY, STARTER 60 Hz FV DRYER	1
2	SEE TABLE	FUSE, TIME DELAY	2

Table For Fuse					
Description	Fuse	Description	Fuse	Description	Fuse
15 hp 200 V 60 Hz F.V.	22177299	10 hp 460 V 60 Hz S/D	22177307	5 hp 380 V 60 Hz F.V.	39193289
15 hp 230 V 60 Hz F.V.	22177299	10 hp 575 V 60 Hz F.V.	81291601	5 hp 460 V 60 Hz F.V.	22177307
15 hp 380 V 60 Hz F.V.	39193289	7.5 hp 200 V 60 Hz F.V.	22177299	5 hp 575 V 60 Hz F.V.	81291601
15 hp 460 V 60 Hz F.V.	22177307	7.5 hp 230 V 60 Hz F.V.	22177299	5 hp 200/1/60 F.V.	22177299
15 hp 460 V 60 Hz S/D	22177307	7.5 hp 380 V 60 Hz F.V.	39193289	5 hp 230/1/60 F.V.	22177299
15 hp 575 V 60 Hz F.V.	81291601	7.5 hp 460 V 60 Hz F.V.	22177307	11 kW 380/400/415 V 50 Hz S/D	39193289
10 hp 200 V 60 Hz F.V.	22177299	7.5 hp 575 V 60 Hz F.V.	81291601	11 kW 220V 50Hz & 15 hp 230 V 60 Hz S/D	22177299
10 hp 230 V 60 Hz F.V.	22177299	7.5 hp 230/1/60 F.V.	22177299	7.5 kW 380/400/415 V 50 Hz S/D	39193289
10 hp 380 V 60 Hz F.V.	39193289	5 hp 200 V 60 Hz F.V.	22177299	7.5 kW 380/400/415V 50 Hz F.V.	39193289
10 hp 460 V 60 Hz F.V.	22177307	5 hp 230 V 60 Hz F.V.	22177299	7.5 kW 220 V 50 Hz & 10 hp 230V 60 Hz S/D	22177299
7.5 kW 220 V 50 Hz F.V.	22177299	5.5 kW 220 V 50 Hz S/D	22177299	4 kW 380/400/415 V 50 Hz F.V.	39193289
5.5 kW 380/400/415 V 50 Hz S/D	39193289	5.5 kW 220 V 50 Hz F.V.	22177299	4 kW 220 V 50 Hz S/D	22177299
5.5 kW 380/400/415 V 50 Hz F.V.	39193289	4 kW 380/400/415 V 50 Hz S/D	39193289	4 kW 220 V 50 Hz F.V.	22177299

DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW

ASSEMBLY DRAWING AND PARTS LIST

Assemble Dew Point Indicator into Gauge Panel



(Dwg. 22511034P16)

PARTS LIST

Item	Part No.	Description	Qty.
1	22454540	THERMOMETER, REMOTE DIAL	1

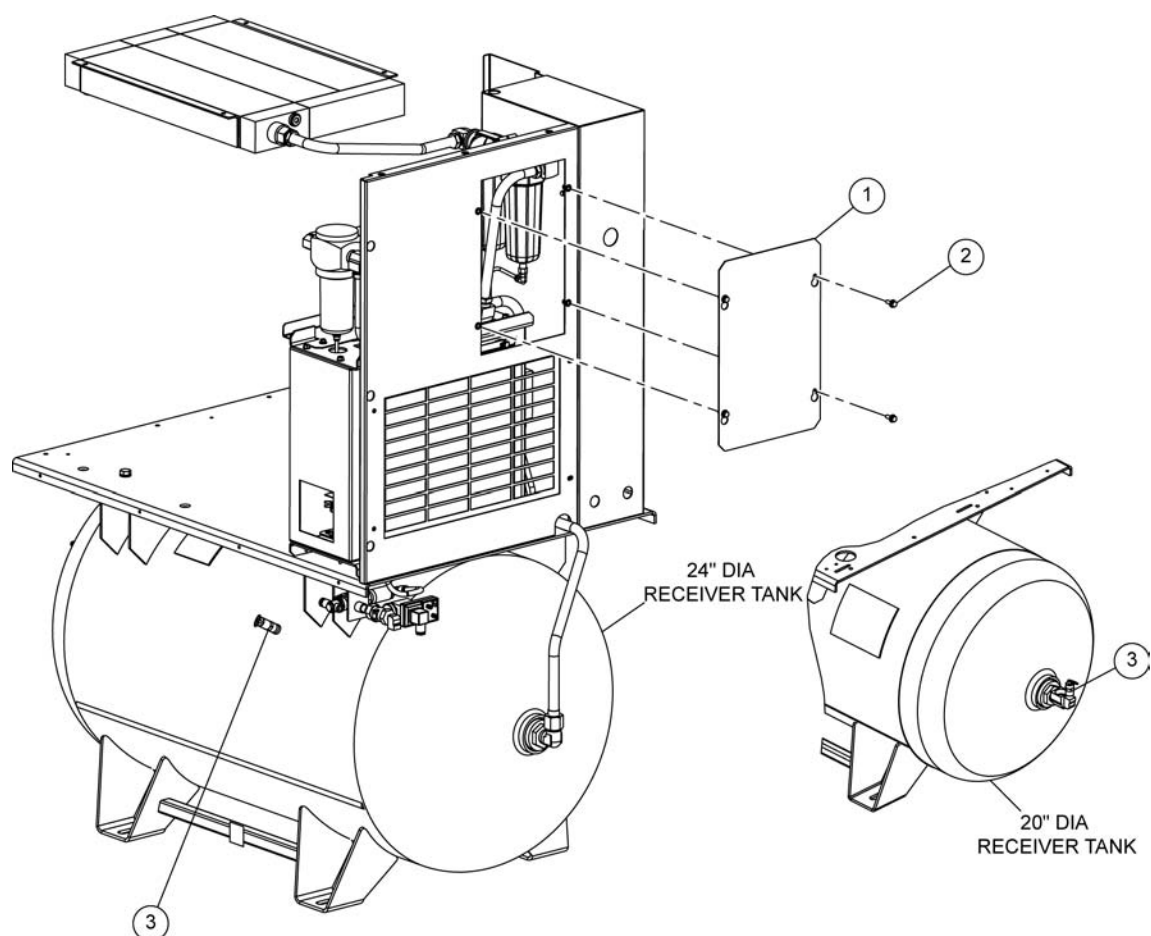
NOTE:

MAKE A CIRCULAR CUT THROUGH THE INSULATION ON THE INDICATED TUBE. ATTACH THE DEW POINT INDICATOR SENSOR BULB TO THE COPPER TUBE USING CLAMP #22810261. AFTER THE SENSOR HAS BEEN FIRMLY ATTACHED, REWRAP THE INSULATION WITH TAPE #22499628.

DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW

ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Filter Access Cover



(Dwg. 22511034P17)

PARTS LIST

Item	Part No.	Description	Qty.
1	22481493	COVER, ACCESS (DRYER FILTERS)	1
2	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	4
3	22550552	80 GAL (ASME) - 20" DIA	1
	22052450	80 GAL (ASME) - 24" DIA	1
	22052450	120 GAL (ASME)	1
	18990762	272 LITRE 11 BAR CHINA	1
	22431779	272 LITRE 11 BAR AUSTRALIA	1
	22493902	272 LITRE 11 BAR SINGAPORE/MALAYSIA	1
	22493902	272 LITRE 11 BAR INDIA	1
	22431787	272 LITRE 16 BAR CHINA	1
	22431787	272 LITRE 16 BAR AUSTRALIA	1
	22378665	272 LITRE 16 BAR INDIA	1
	22401590	272 LITRE 16 BAR ESA	1
	18990762	500 LITRE 11 BAR CHINA	1
	22431779	500 LITRE 11 BAR AUSTRALIA	1
	22493902	500 LITRE 11 BAR SINGAPORE/MALAYSIA	1

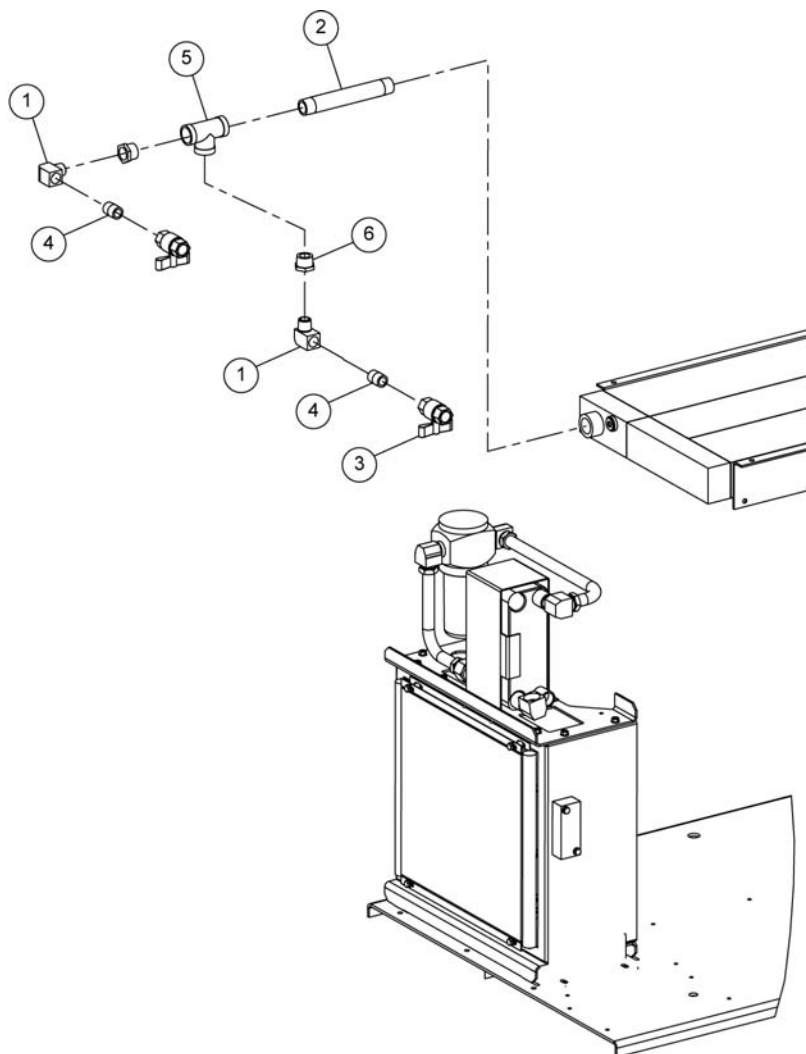
DISCH. TUBE OPTIONS & STD. DRYER PACKAGE 5-15 HP/4-11 KW ASSEMBLY DRAWING AND PARTS LIST

PARTS LIST CONTINUED

Item	Part No.	Description	Qty.
3	22493902	500 LITRE 11 BAR INDIA	1
	22431787	500 LITRE 16 BAR CHINA	1
	22431787	500 LITRE 16 BAR AUSTRALIA	1
	22378665	500 LITRE 16 BAR INDIA	1
	22401590	500 LITRE 16 BAR ESA	1
	99332009	272 LITRE 8 BAR CHINA	1
	9 9332009	500 LITRE 8 BAR CHINA (GB150)	1
	23655236	272 LITRE 11 BAR (ESA)	1
	23655236	500 LITRE 11 BAR (ESA)	1

ASSEMBLY INSTRUCTIONS DRYER BYPASS (UP-SERIES) DRAWING AND PARTS LIST

Assemble Cooler Discharge Pipe and Fittings



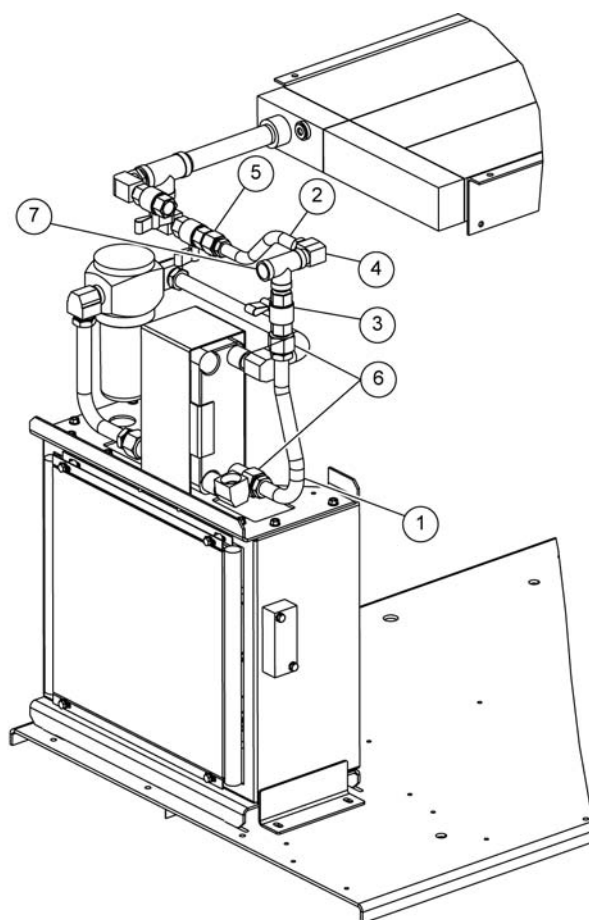
(Dwg. 22511745J2)

PARTS LIST

Item	Part No.	Description	Qty.
1	16545998	ELBOW, STREET 1/2" NPT PARKER #2202P-8-8	2
2	22504427	PIPE, DISCH. EXTENSION .75" NPT x 180 mm LG.	1
3	54450176	VALVE, BALL 0.50 T-HANDLE	2
4	95934279	NIPPLE, EXTRA STRONG 0.50 NPT x 1.13 LONG	2
5	95953410	TEE, 300# 0.75 FNPT	1
6	95953949	BUSHING, REDUCER 0.75 NPT x 0.50 FNPT	2

ASSEMBLY INSTRUCTIONS DRYER BYPASS (UP-SERIES) DRAWING AND PARTS LIST

Assemble Dryer Heat Exchanger Discharge Tube and Fittings



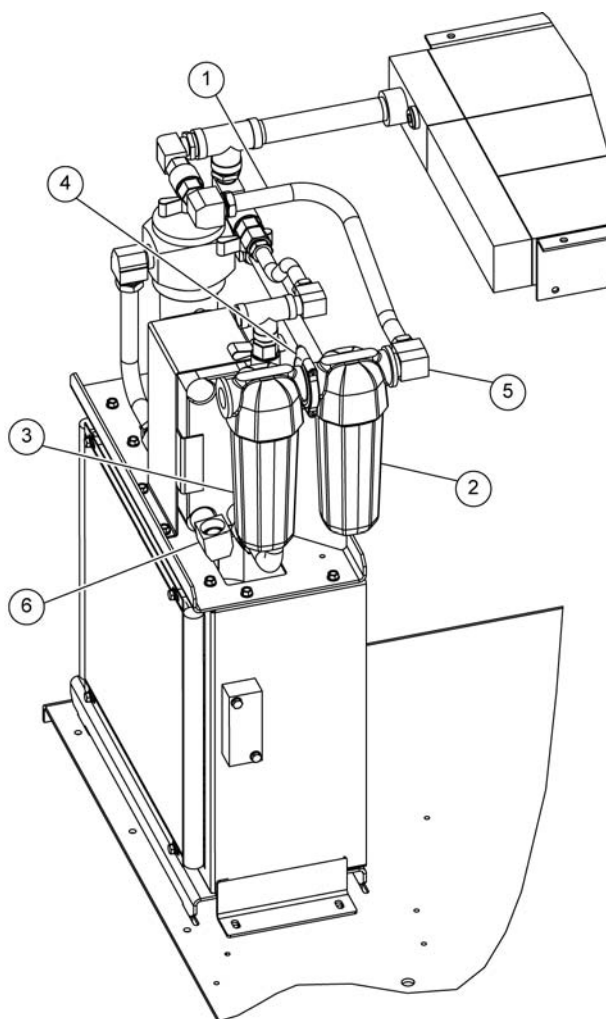
(Dwg. 22511745J3)

PARTS LIST

Item	Part No.	Description	Qty.
1	22505135	TUBE ASSY., DRYER BYPASS (UP-SERIES 5-15 hp)	1
2	22505150	TUBE ASSY., DRYER BYPASS (UP-SERIES 5-15 hp)	1
3	54450176	VALVE, BALL 0.50 T-HANDLE	1
4	95031795	ELBOW, INVERTED FLARE 90 DEG MALE 0.63 TUBE x 0.50 NPT	1
5	95083226	CONNECTOR, INVERTED FLARE 0.50 NPT x 0.63 TUBE	1
6	95083259	CONNECTOR, INVERTED FLARE 0.50 NPT x 0.75 TUBE	2
7	95497277	TEE, 300# 0.50 FNPT	1
8	95934279	NIPPLE, EXTRA STRONG 0.50 NPT x 1.13 LONG	1

ASSEMBLY INSTRUCTIONS DRYER BYPASS (UP-SERIES) DRAWING AND PARTS LIST

Assemble Dryer Filters



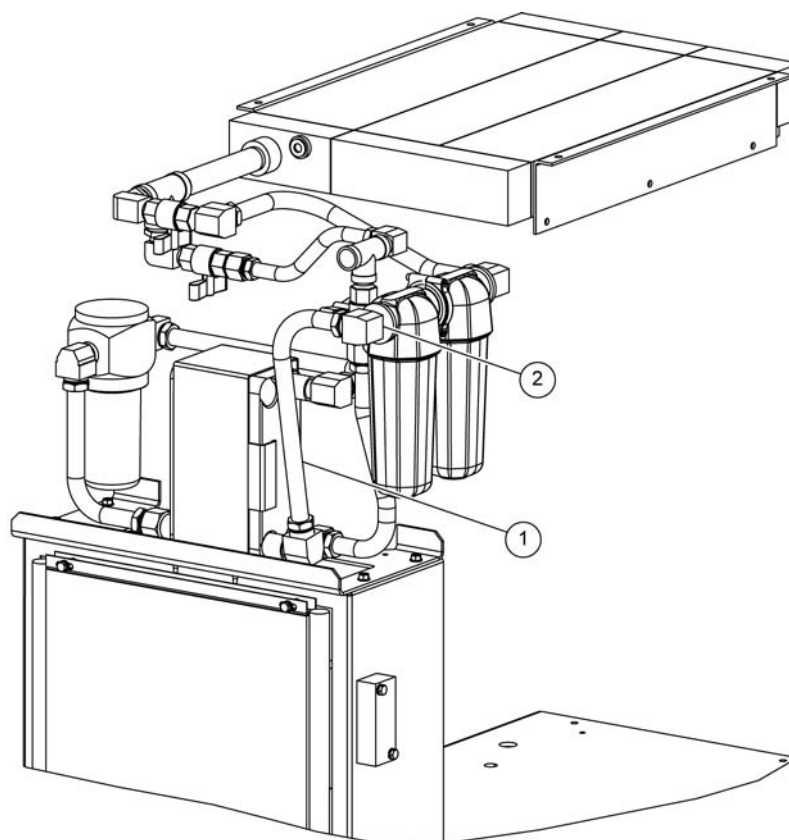
(Dwg. 22511745J4)

PARTS LIST

Item	Part No.	Description	Qty.
1	22504468	TUBE ASSY., DRYER BYPASS (UP-SERIES 5-15 hp)	1
2	24233454	FILTER, COMPRESSED AIR GENERAL PURPOSE, (60 Hz 10/15 hp 50 Hz 7.5/11 kW)	1
	24233371	FILTER, COMPRESSED AIR GENERAL PURPOSE, (60 Hz 5/7.5 hp, 50 Hz 4/5.5 kW)	1
3	24233470	FILTER, COMPRESSED AIR HIGH EFFICIENCY, (60 Hz 10/15 hp 50 Hz 7.5/11 kW)	1
	24233397	FILTER, COMPRESSED AIR HIGH EFFICIENCY, (60 Hz 5/7.5 hp, 50 Hz 4/5.5 kW)	1
4	24361925	CLAMP KIT FC75I-FC110I	1
5	95031761	ELBOW, INVERTED FLARE 90 DEG MALE 0.75 TUBE x 0.75 NPT	1
6	95031779	ELBOW, INVERTED FLARE 90 DEG MALE 0.75 TUBE x 0.50 NPT	1

ASSEMBLY INSTRUCTIONS DRYER BYPASS (UP-SERIES) DRAWING AND PARTS LIST

Assemble Tube Assembly from Filters to Heat Exchanger



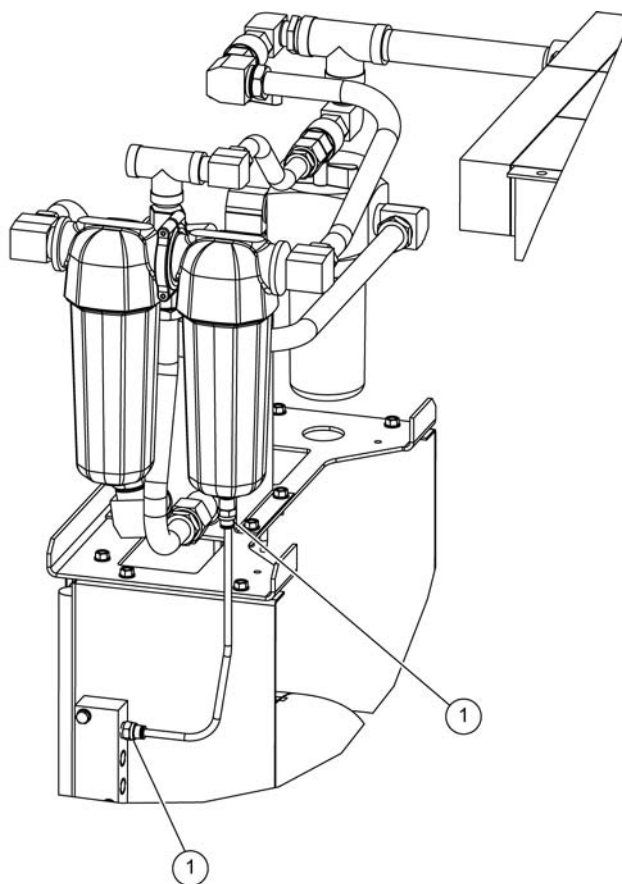
(Dwg. 22511745J5)

PARTS LIST

Item	Part No.	Description	Qty.
1	23317019	TUBE, FILTERS/DRYER INLET	1
2	95031761	ELBOW, INVERTED FLARE 90 DEG MALE 0.75 TUBE x 0.75 NPT	1

ASSEMBLY INSTRUCTIONS DRYER BYPASS (UP-SERIES) DRAWING AND PARTS LIST

Assemble Condensate Tube from General Purpose Filter to Condensate Manifold Block



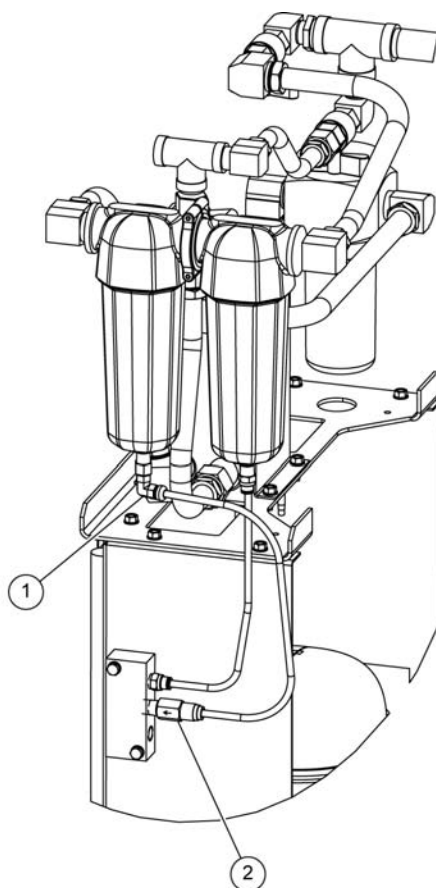
(Dwg. 22511745J6)

PARTS LIST

Item	Part No.	Description	Qty.
1	22601371	CONNECTOR, MALE 0.25" NPT x 6 mm TUBE	2
2	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	.7 FT.

ASSEMBLY INSTRUCTIONS DRYER BYPASS (UP-SERIES) DRAWING AND PARTS LIST

Assemble Condensate Tube from High Efficiency Filter to Condensate Manifold Block.



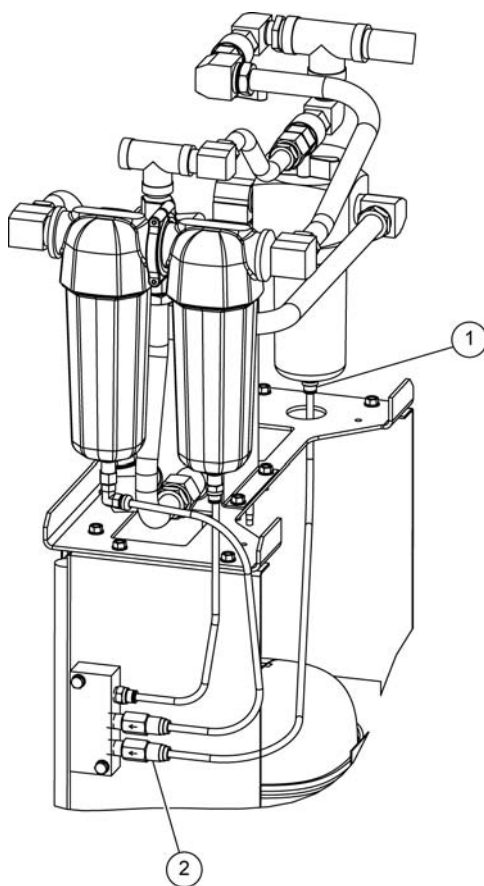
(Dwg. 22511745J7)

PARTS LIST

Item	Part No.	Description	Qty.
1	22601389	ELBOW, MALE 0.25" NPT x 6 mm TUBE	1
2	22602197	VALVE, CHECK 1/4" NPT MALE x 6 mm TUBE	1
3	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	1 FT.

ASSEMBLY INSTRUCTIONS DRYER BYPASS (UP-SERIES) DRAWING AND PARTS LIST

Assemble Condensate Tube from Moisture Separator to Condensate Manifold Block



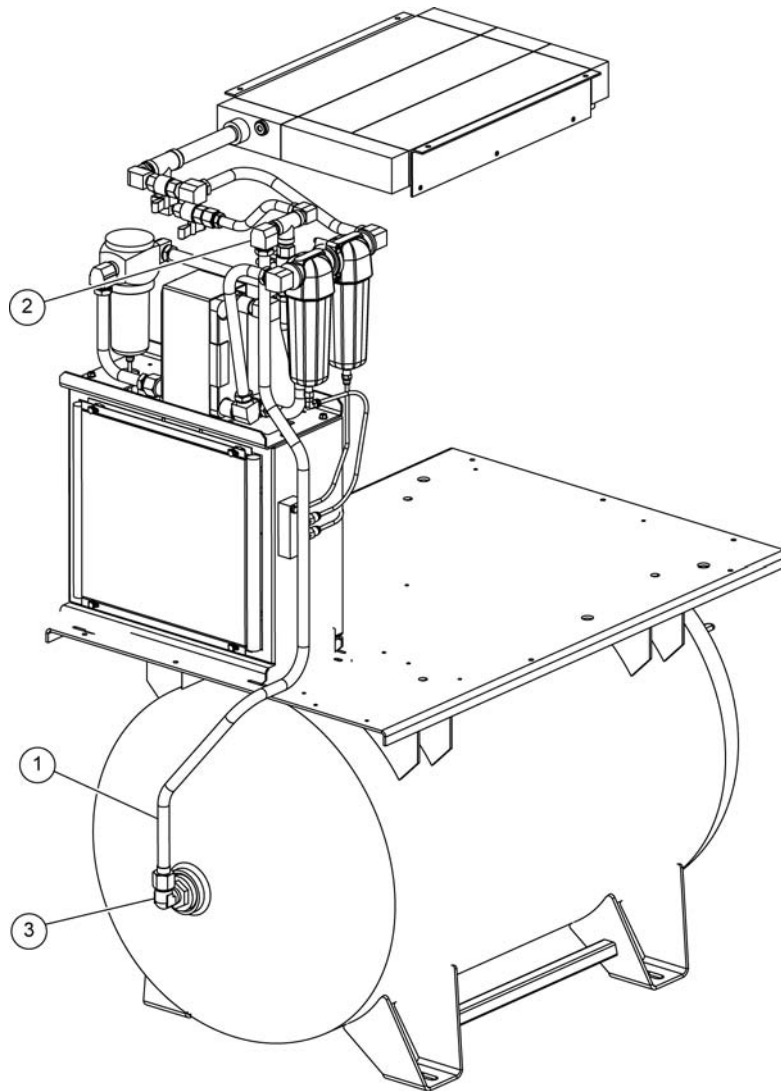
(Dwg. 22511745J8)

PARTS LIST

Item	Part No.	Description	Qty.
1	22601371	CONNECTOR, MALE 0.25" NPT x 6 mm TUBE	1
2	22602197	VALVE, CHECK 1/4" NPT MALE x 6 mm TUBE	1
3	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	2.2 FT.

ASSEMBLY INSTRUCTIONS DRYER BYPASS (UP-SERIES) DRAWING

Assemble Package Discharge Tube



(Dwg. 22511745J9)

PARTS LIST

Item	Part No.	Description	Qty.
1	22435200	TUBE, ASSEMBLY 80 GAL. (STD)	1
	22479794	TUBE, ASSEMBLY 80 GAL. (W/DRYER)	1
	22506455	TUBE, ASSEMBLY 80 GAL. (DRYER PKG. W/BYPASS)	1
	22441414	TUBE, ASSEMBLY 120 GAL. (STD)	1
	22479802	TUBE, ASSEMBLY 120 GAL. (W/DRYER)	1
	22506463	TUBE, ASSEMBLY 120 GAL. (DRYER PKG. W/BYPASS)	1
	22469597	TUBE, ASSEMBLY 272 LITRE (STD)	1
	22479810	TUBE, ASSEMBLY 272 LITRE (W/DRYER)	1
	22506471	TUBE, ASSEMBLY 272 LITRE (DRYER PKG. W/BYPASS)	1
	22771281	TUBE, ASSEMBLY 272 LITRE (STD)-ESA	1
	22771299	TUBE, ASSEMBLY 272 LITRE (W/DRYER)-ESA	1
	22771307	TUBE, ASSEMBLY 272 LITRE (DRYER PKG. W/BYPASS)-ESA	1
	22469613	TUBE, ASSEMBLY 500 LITRE (STD)	1
	22479828	TUBE, ASSEMBLY 500 LITRE (W/DRYER)	1
	22506489	TUBE, ASSEMBLY 500 LITRE (DRYER PKG. W/BYPASS)	1

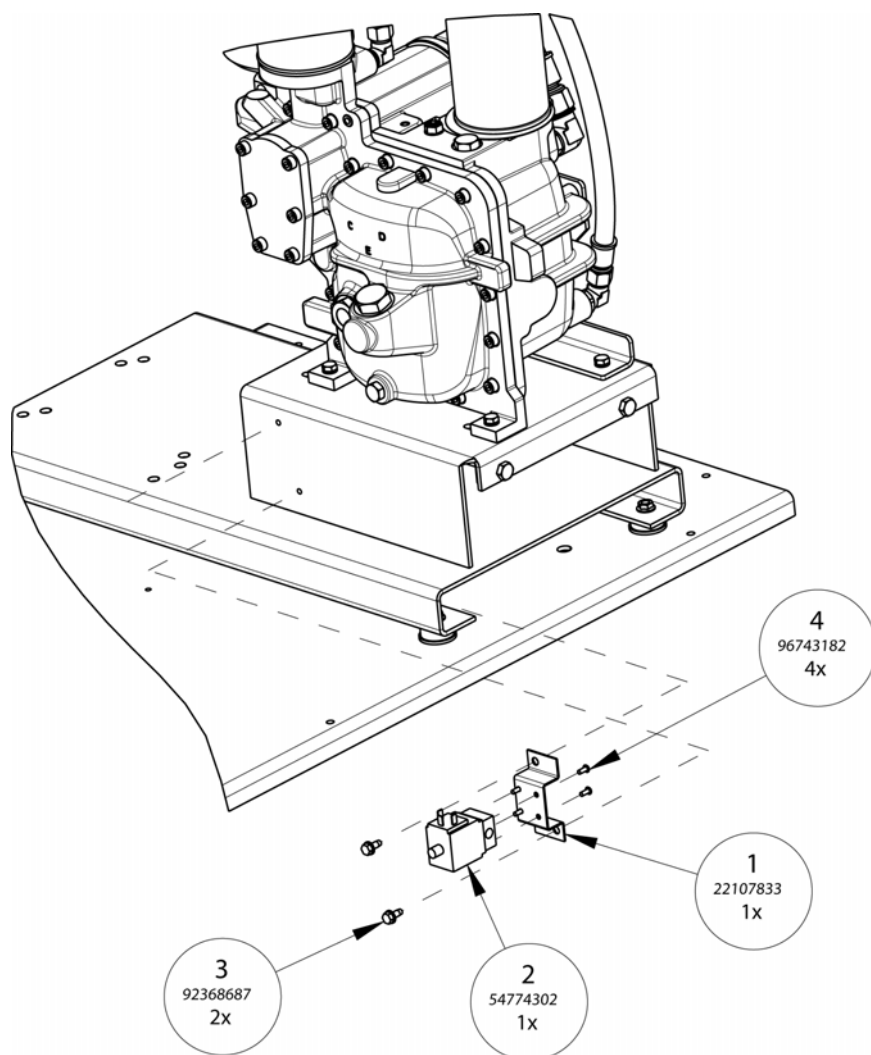
ASSEMBLY INSTRUCTIONS DRYER BYPASS (UP-SERIES) DRAWING

PARTS LIST CONTINUED

Item	Part No.	Description	Qty.
1	22771315	TUBE, ASSEMBLY 500 LITRE (STD)-ESA	1
	22771323	TUBE, ASSEMBLY 500 LITRE (W/DRYER)-ESA	1
	22771331	TUBE, ASSEMBLY 500 LITRE (DRYER PKG. W/BYPASS)-ESA	1
2	95031779	ELBOW, INVERTED FLARE 90 DEG MALE .75 TUBE x .50 NPT	1
3	95937637	0.75 TUBE * 0.75 NPT OR BSPT 80 GAL. (STD)	1
	95937637	0.75 TUBE * 0.75 NPT OR BSPT 80 GAL. (W/DRYER)	1
	95937637	0.75 TUBE * 0.75 NPT OR BSPT 80 GAL. (DRYER PKG. W/BYPASS)	1
	95937637	0.75 TUBE * 0.75 NPT OR BSPT 120 GAL. (STD)	1
	95937637	0.75 TUBE * 0.75 NPT OR BSPT 120 GAL. (W/DRYER)	1
	95937637	0.75 TUBE * 0.75 NPT OR BSPT 120 GAL. (DRYER PKG. W/BYPASS)	1
	92176692	0.75 TUBE * 0.75 NPT OR BSPT 272 LITRE (STD)	1
	92176692	0.75 TUBE * 0.75 NPT OR BSPT 272 LITRE (W/DRYER)	1
	92176692	0.75 TUBE * 0.75 NPT OR BSPT 272 LITRE (DRYER PKG. W/BYPASS)	1
	92176692	0.75 TUBE * 0.75 NPT OR BSPT 272 LITRE (STD)-ESA	1
	92176692	0.75 TUBE * 0.75 NPT OR BSPT 272 LITRE (W/DRYER)-ESA	1
	92176692	0.75 TUBE * 0.75 NPT OR BSPT 272 LITRE (DRYER PKG. W/BYPASS)-ESA	1
	92176692	0.75 TUBE * 0.75 NPT OR BSPT 500 LITRE (STD)	1
	92176692	0.75 TUBE * 0.75 NPT OR BSPT 500 LITRE (W/DRYER)	1
	92176692	0.75 TUBE * 0.75 NPT OR BSPT 500 LITRE (DRYER PKG. W/BYPASS)	1
	92176692	0.75 TUBE * 0.75 NPT OR BSPT 500 LITRE (STD)-ESA	1
	92176692	0.75 TUBE * 0.75 NPT OR BSPT 500 LITRE (W/DRYER)-ESA	1
	92176692	0.75 TUBE * 0.75 NPT OR BSPT 500 LITRE (DRYER PKG. W/BYPASS)-ESA	1

CONTROLS (STAR-DELTA OPTION) ASSEMBLY DRAWING AND PARTS LIST

Assemble Star-Delta Solenoid to Airend Base



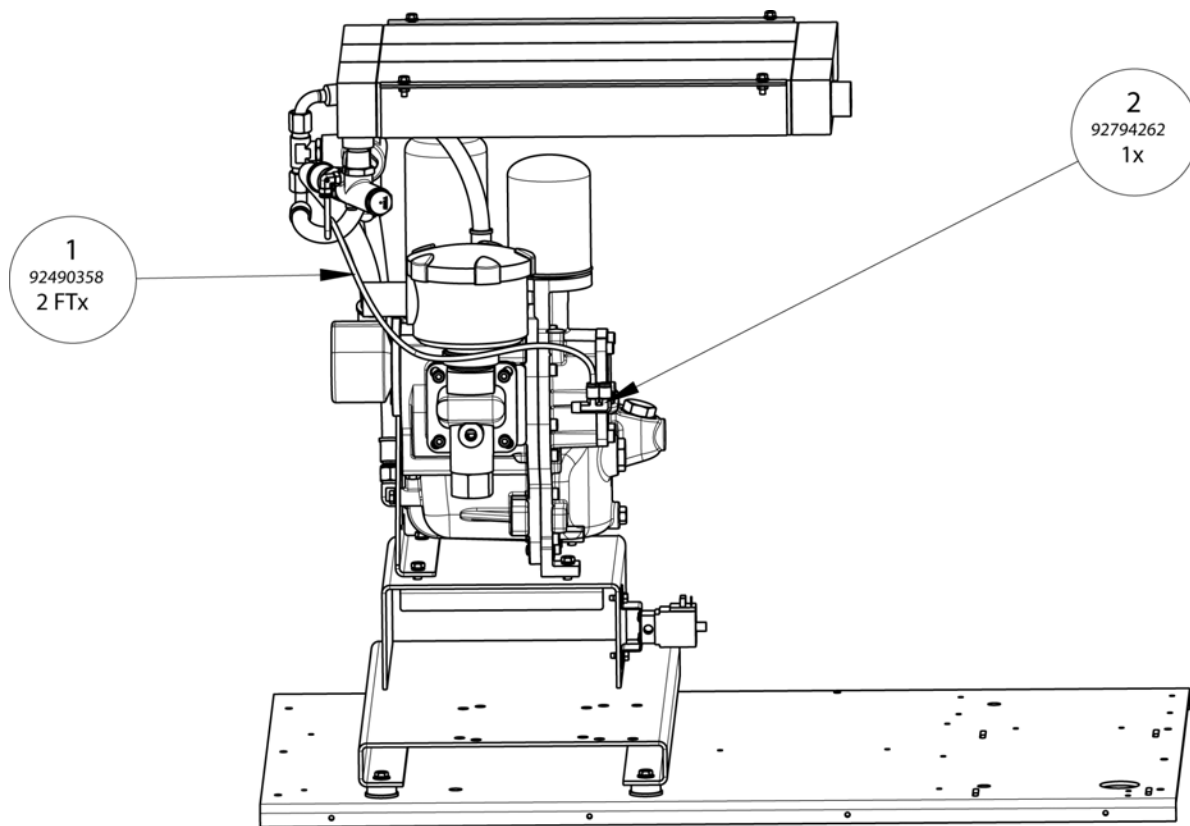
(Dwg. 22512420F2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22107833	BRACKET, SOLENOID VALVE (INTELLISYS)	1
2	54774302	VALVE, SOLENOID 0.125" NPT, 110V 50/60Hz	1
3	92368687	SCREW, TPG M6 x 1.0 x 14 LG	2
4	96743182	SCREW, HEX SOCKET BUTTON HEAD M4 x 10.00 LONG	4

CONTROLS (STAR-DELTA OPTION) ASSEMBLY DRAWING AND PARTS LIST

Assemble Tube from Min. Pressure Check Valve to Blowdown Valve



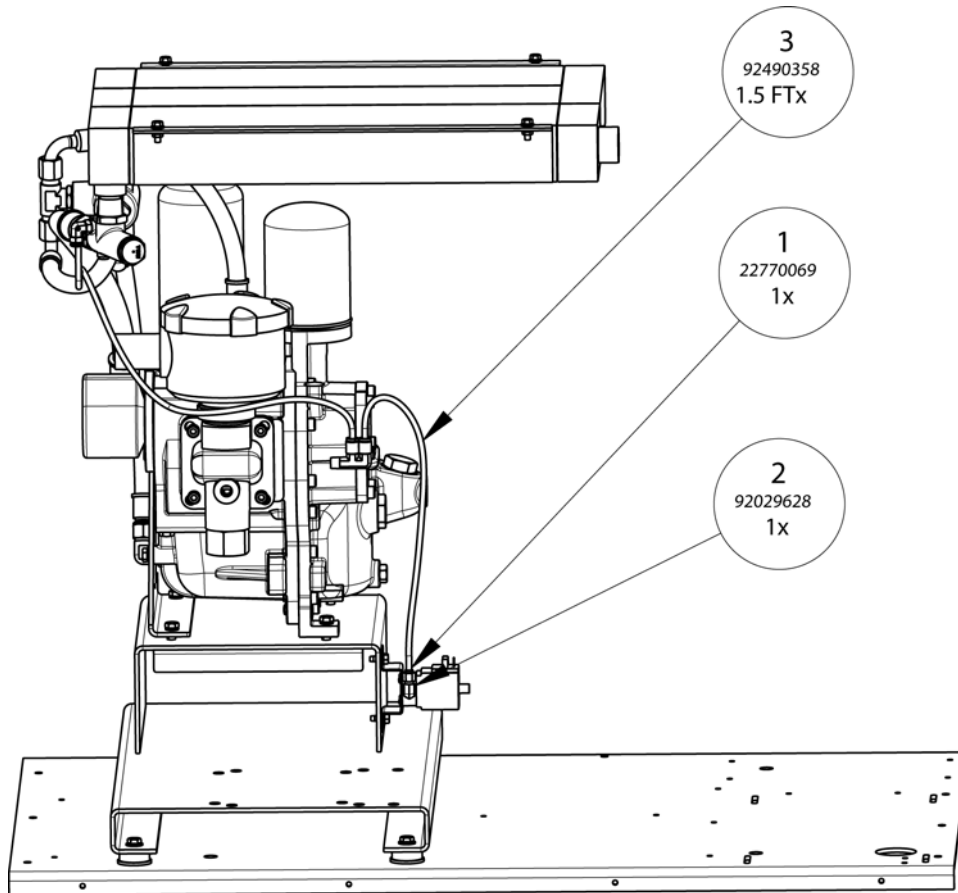
(Dwg. 22512420F3)

PARTS LIST

Item	Part No.	Description	Qty.
1	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	2 FT
2	92794262	ELBOW, DOUBLE .25 BSPT x 6 mm TUBE	1

CONTROLS (STAR-DELTA OPTION) ASSEMBLY DRAWING AND PARTS LIST

Assemble Tube from Min. Pressure Check Valve Tee to Star-Delta Solenoid



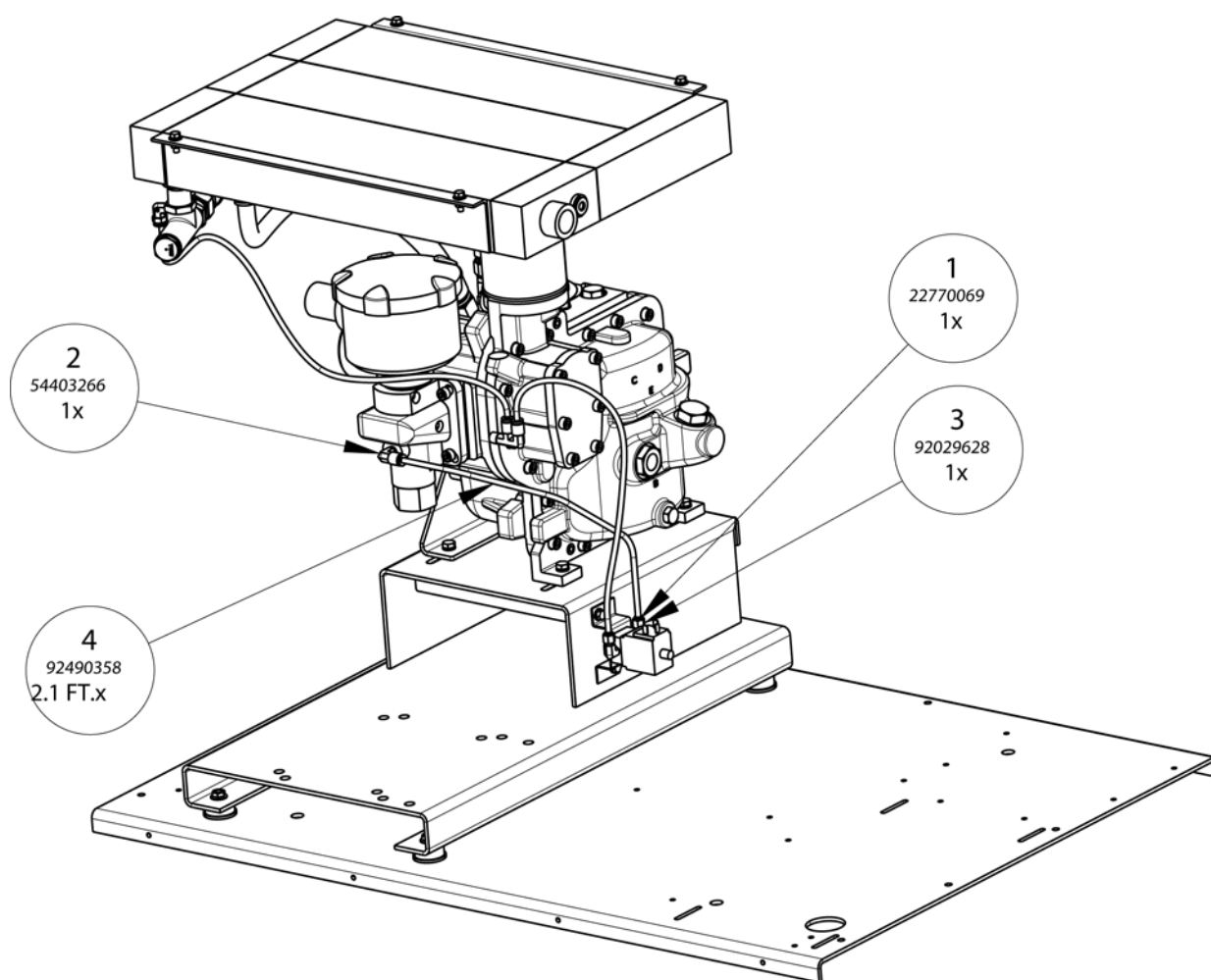
(Dwg. 22512420F4)

PARTS LIST

Item	Part No.	Description	Qty.
1	22770069	INSERT, 6 mm PLASTIC TUBE	1
2	92029628	ELBOW, MALE 6 mm TUBE x 1/8" NPT	1
3	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	1.5 FT

CONTROLS (STAR-DELTA OPTION) ASSEMBLY DRAWING AND PARTS LIST

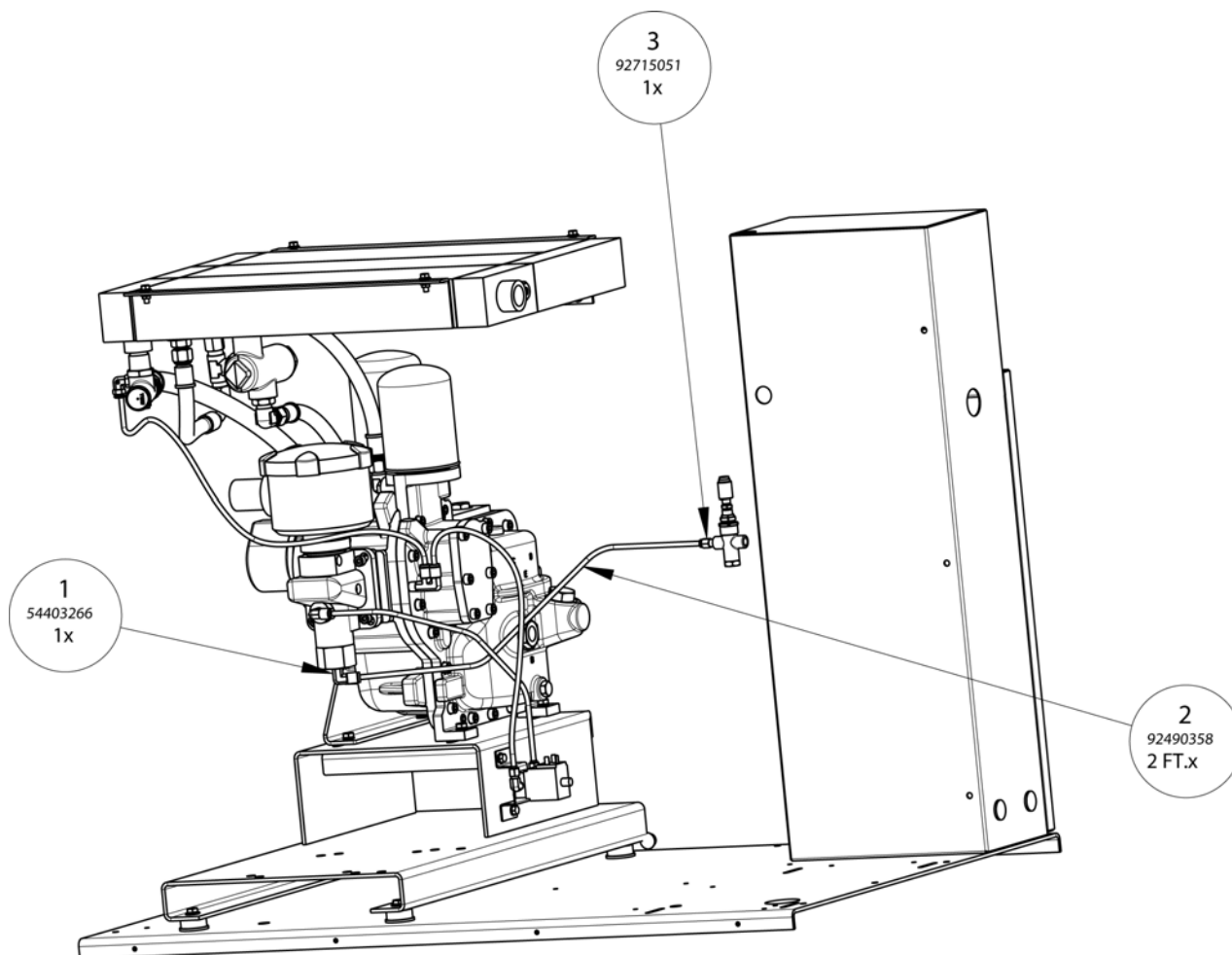
Assemble Tube from Star-Delta Solenoid Valve to Inlet Valve



(Dwg. 22512420F5)

PARTS LIST

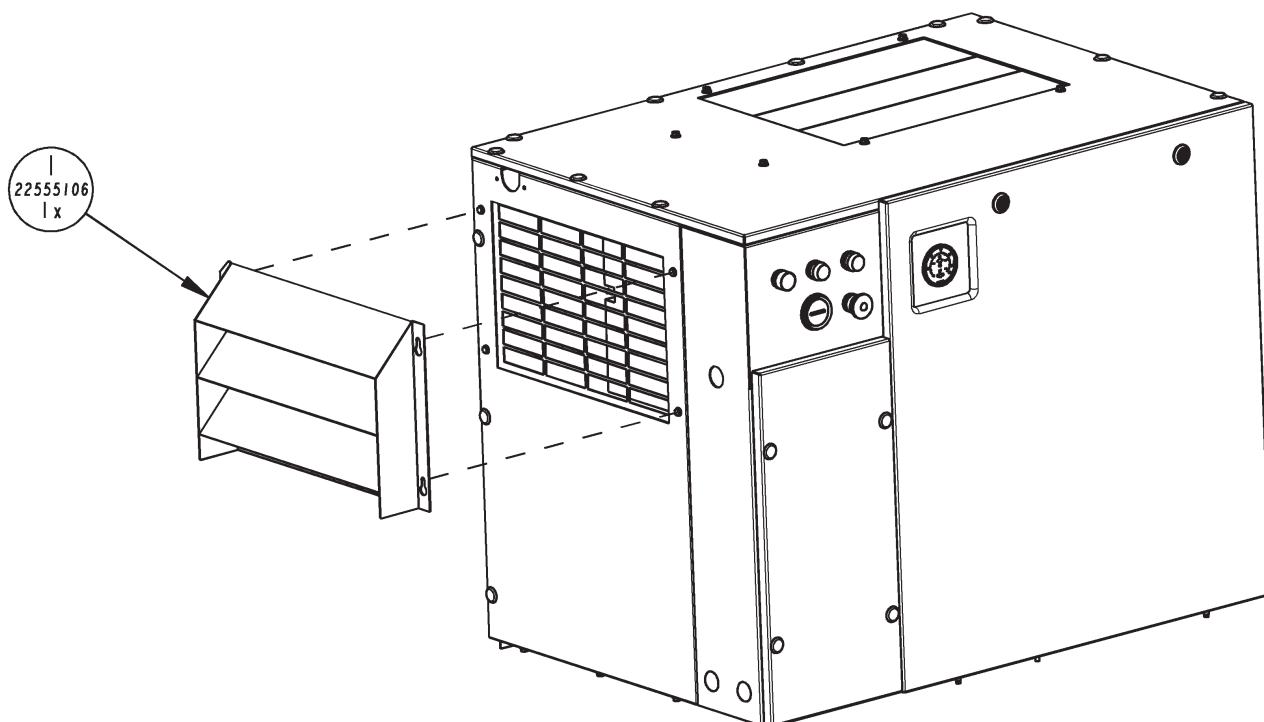
Item	Part No.	Description	Qty.
1	22770069	INSERT, 6 mm PLASTIC TUBE	1
2	54403266	ELBOW, 0.25" BSPT x 6 mm TUBE	1
3	92029628	ELBOW, MALE 6 mm TUBE x 1/8" NPT	1
4	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	2.1 FT.

CONTROLS (STAR-DELTA OPTION) ASSEMBLY DRAWING AND PARTS LIST**Assemble Tube from Inlet Valve to Pilot Valve****(Dwg. 22512420F6)****PARTS LIST**

Item	Part No.	Description	Qty.
1	54403266	ELBOW, 0.25" BSPT x 6MM TUBE	1
2	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	2 FT.
3	92715051	CONNECTOR, 0.125" BSPT x 6 mm TUBE	1

ASSEMBLY INSTRUCTIONS OUTDOOR MOD. OPTION DRAWING AND PARTS LIST

Assemble Left Side Louvered Panel



(Dwg. 22593628A2)

PARTS LIST

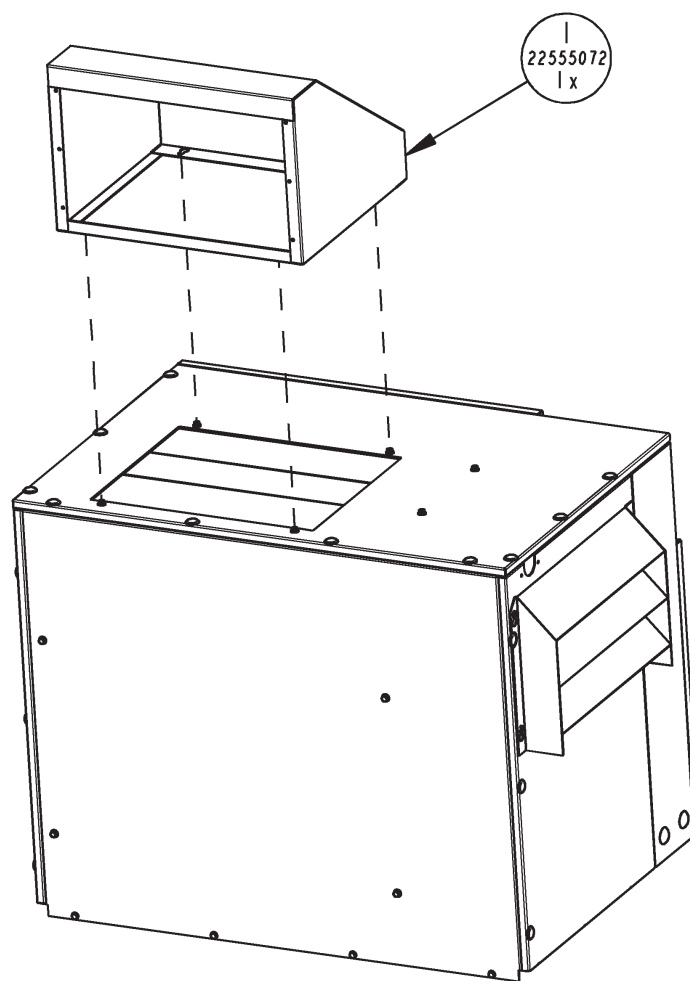
Item	Part No.	Description	Qty.
1	2255106	LOUVER, AIR INTAKE (OOUTDOOR MODIFICATION)	1

NOTE:

LOOSEN THE (4) SCREWS WHICH ATTACH THE PANEL FILTER TRAY TO THE LEFT END PANEL, SKIP KEY SLOT IN THE FLANGE OF THE LOUVERED COVER OVER THE SCREW AND RETIGHTEN THE SCREW

ASSEMBLY INSTRUCTIONS OUTDOOR MOD. OPTION DRAWING AND PARTS LIST

Assemble Cooler Hood to Top Panel



(Dwg. 22593628A3)

PARTS LIST

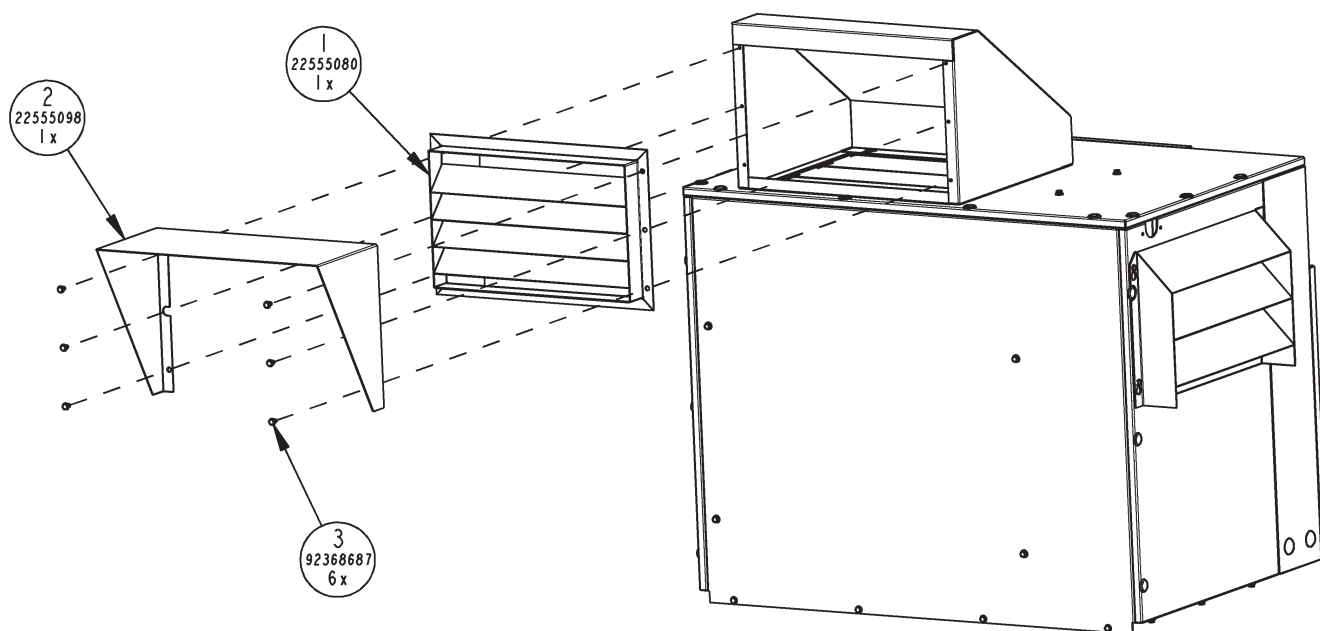
Item	Part No.	Description	Qty.
1	22555072	BOX COMPRESSOR EXHAUST (OUTDOOR MODIFICATION)	1

NOTE:

LOOSEN THE (4) SCREWS WHICH ATTACH THE PANEL FILTER TRAY TO THE LEFT END PANEL, SKIP KEY SLOT IN THE FLANGE OF THE LOUVERED COVER OVER THE SCREW AND RETIGHTEN THE SCREW

ASSEMBLY INSTRUCTIONS OUTDOOR MOD. OPTION DRAWING AND PARTS LIST

Assemble Cooler Louver to Hood



(Dwg. 22593628A3)

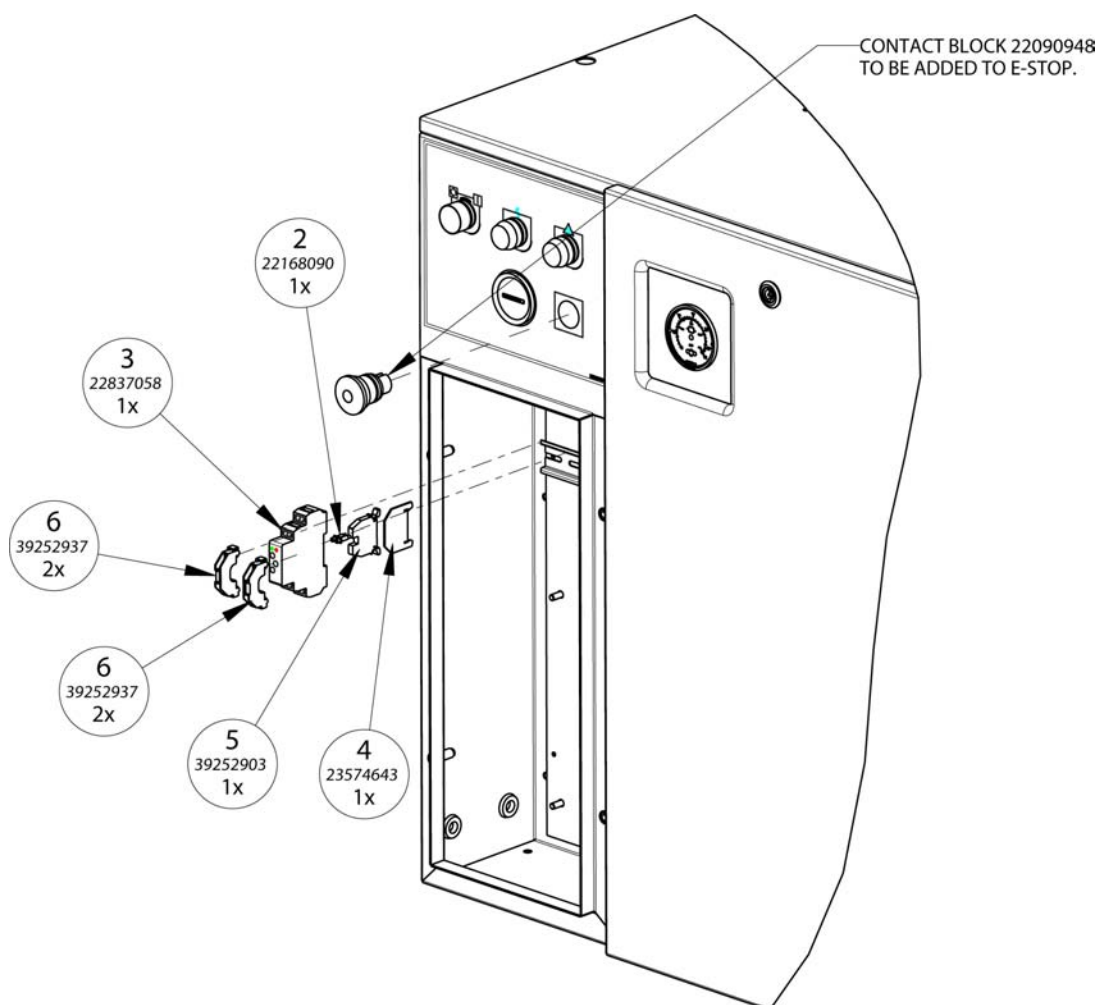
PARTS LIST

Item	Part No.	Description	Qty.
1	22555080	LOUVER, AIR EXHAUST	1
2	22555098	HOOD, ODM EXHAUST	1
3	92368687	TAPTITE SCREW M6 x 1 x 12 LG	6

ASSEMBLY INSTRUCTIONS PWR. OUT. RESTART OPTION

DRAWING AND PARTS LIST

Assemble Time Delay Relay, Contact Block, Jumper, and Stops to Din Rail inside of Starter Panel



(Dwg. 22593636D2)

PARTS LIST

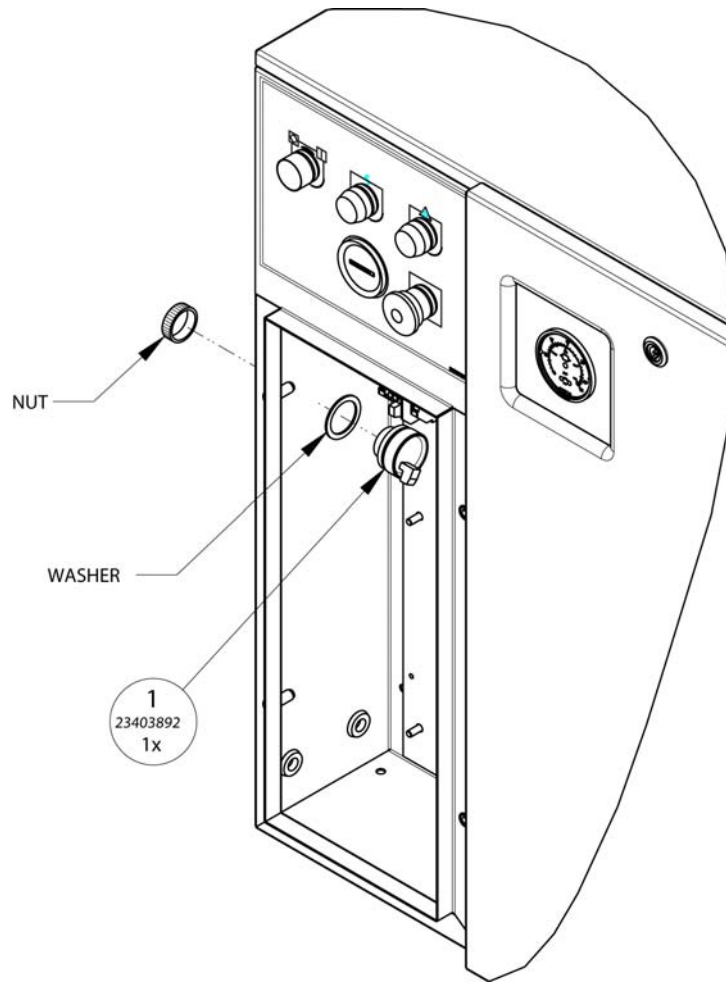
Item	Part No.	Description	Qty.
1	22090948	BLOCK, NC CONTACT AB P/N 800F-P x 01)	1
2	22168090	JUMPER, 2-POLE 1492-CJ6-2	1
3	22837058	RELAY, TIME DELAY	1
4	23574643	PLATE, PARTITION 1492-PP3)	1
5	39252903	BLOCK, TERMINAL	1
6	39252937	STOP, DIN RAIL N37-75	2

NOTES:

1. USE PARTITION TO SEPARATE HOT AND NEUTRAL TERMINAL BLOCK JUMPERS.

ASSEMBLY INSTRUCTIONS PWR. OUT. RESTART OPTION DRAWING AND PARTS LIST

Assemble Alarm to Starter Panel



(Dwg. 22593636D3)

PARTS LIST

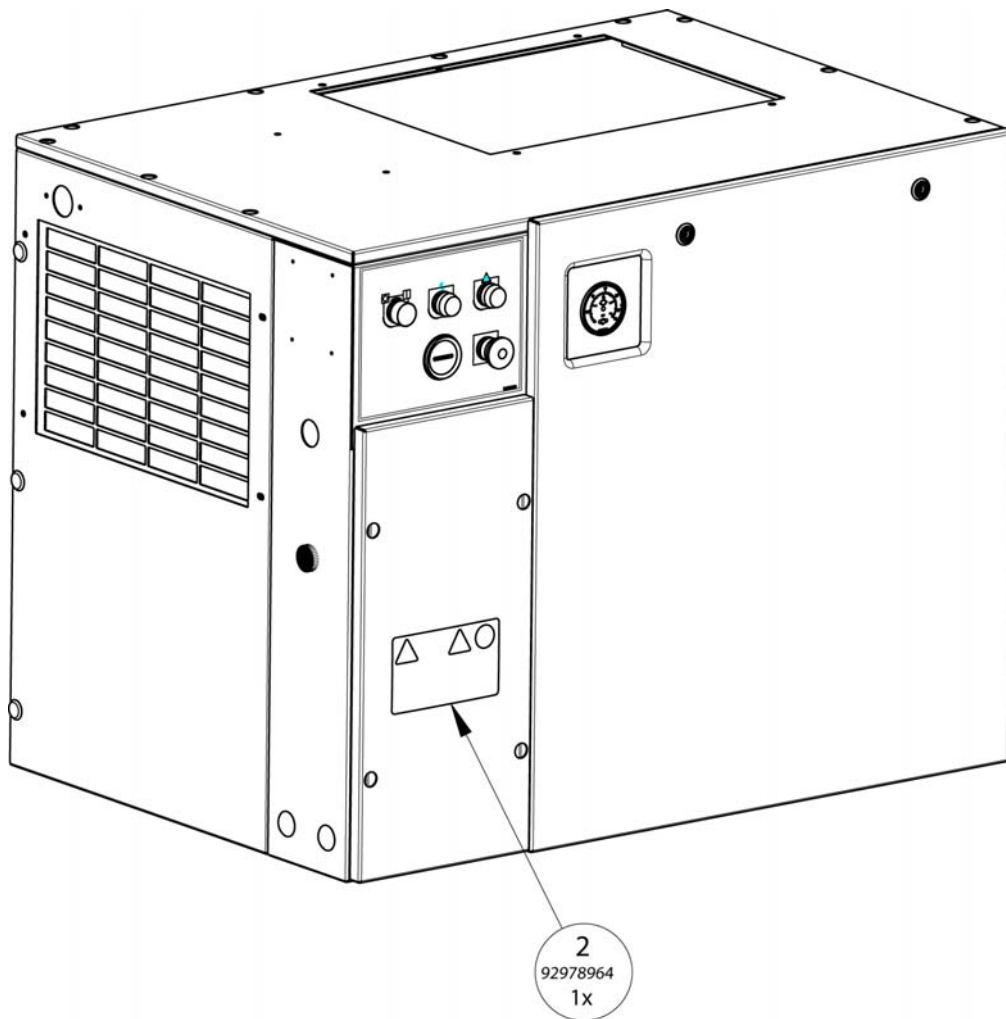
Item	Part No.	Description	Qty.
1	23403892	ALARM, PANEL MOUNT 48-120 VAC	1

NOTES:

1. APPROPRIATELY SIZED HOLE 1.25IN (31.75MM) FOR ALARM (23403892) IS TO BE ADDED TO THE SIDE OF THE STARTER BOX, APPROXIMATELY 408MM FROM BOTTOM SURFACE AND 82MM FROM THE FRONT SURFACE OF THE STARTER BOX.

ASSEMBLY INSTRUCTIONS PWR. OUT. RESTART OPTION DRAWING AND PARTS LIST

Assemble Power Out Restart Decal



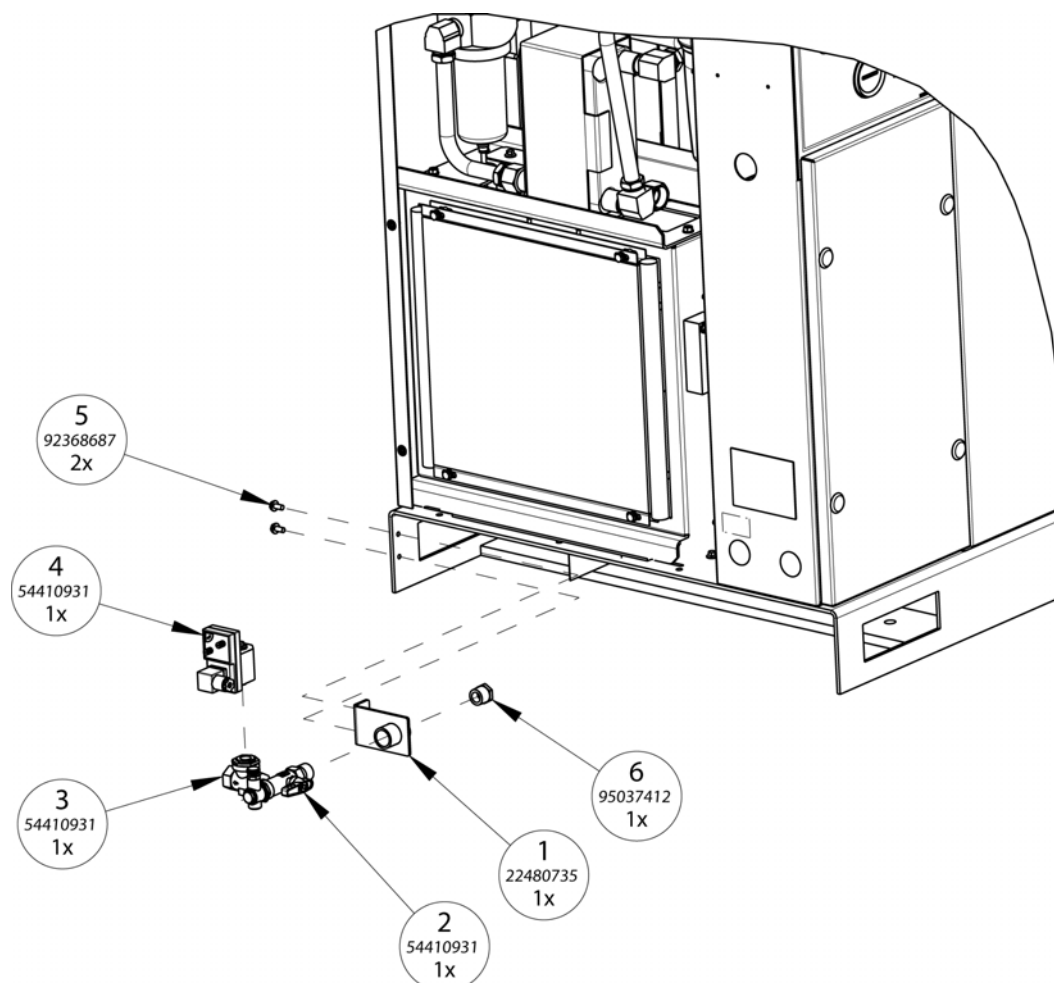
(Dwg. 22593636D4)

PARTS LIST

Item	Part No.	Description	Qty.
1	35268788	CABLE TIE	10
2	92978964	DECAL, POWER OUT RESTART OPTION	1

ASSEMBLY INSTRUCTIONS BASEPLATE W/DRYER EDV DRAWING AND PARTS LIST

Assemble EDV Bracket and Valve to Base



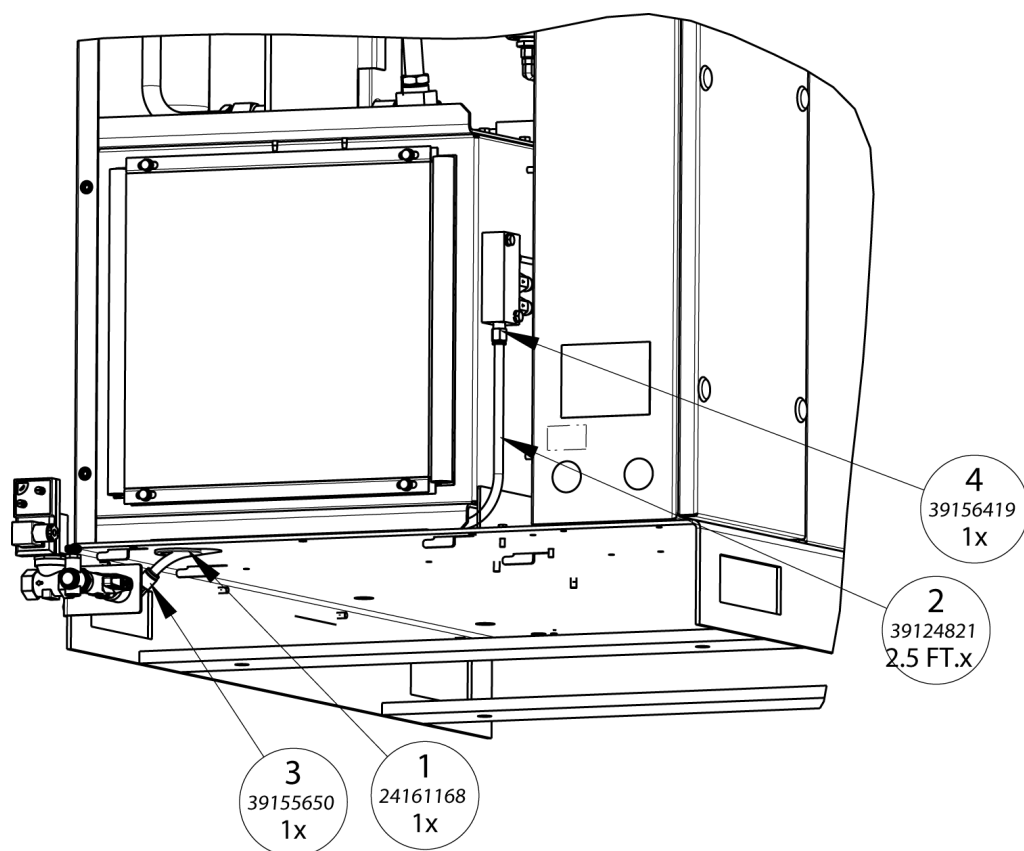
(Dwg. 22594063B2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22480735	BRACKET, EDV MTG. (UP-SERIES W/DRYER)	1
2	54410931	COMPONENT OF 54410931	1
3	54410931	SOLENOID VALVE BODY (COMPONENT OF 54410931)	1
4	54410931	SOLENOID VALVE CONTROLS (COMPONENT OF 54410931)	1
5	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2
6	95037412	BUSHING, REDUCER 0.50 NPT x 0.25 FNPT	1

ASSEMBLY INSTRUCTIONS BASEPLATE W/DRYER EDV DRAWING AND PARTS LIST

Assemble Tube and Fittings from Dryer Condensate Manifold Block to EDV



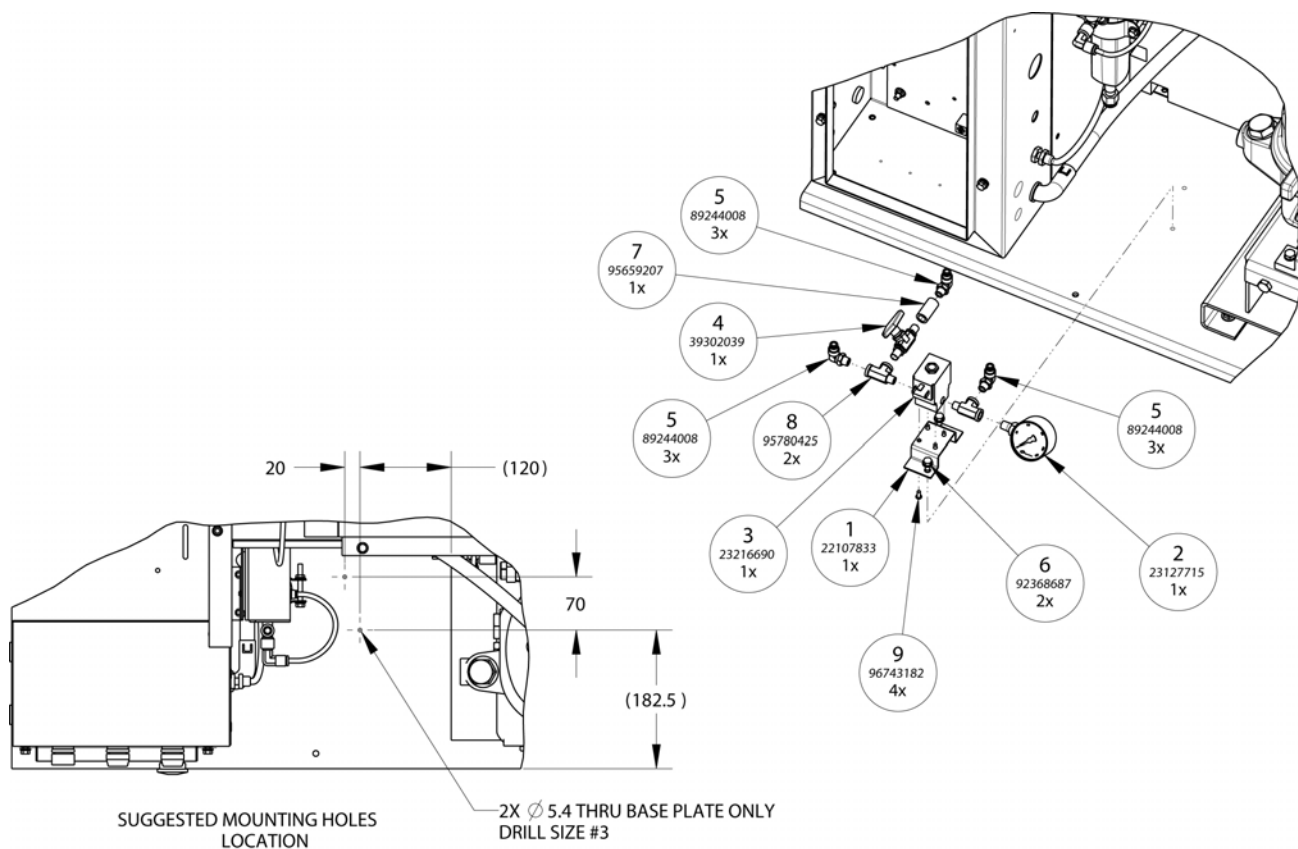
(Dwg. 22594063B3)

PARTS LIST

Item	Part No.	Description	Qty.
1	24161168	GROMMET, INSULATION FOR 1.75" HOLE, 1.5" ID, 2.0" OD	1
2	39124821	TUBE, 0.375" SYN FLEX	2.5 FT.
3	39155650	ELBOW, 0.25 NPT x 0.38 TUBING	1
4	39156419	CONNECTOR, 0.25 NPT x 0.38 TUBING	1

ASSEMBLY INSTRUCTIONS FIELD WARM UP KIT DRAWING AND PARTS LIST

Assemble Solenoid, Tees, Ball Valve and Gauge



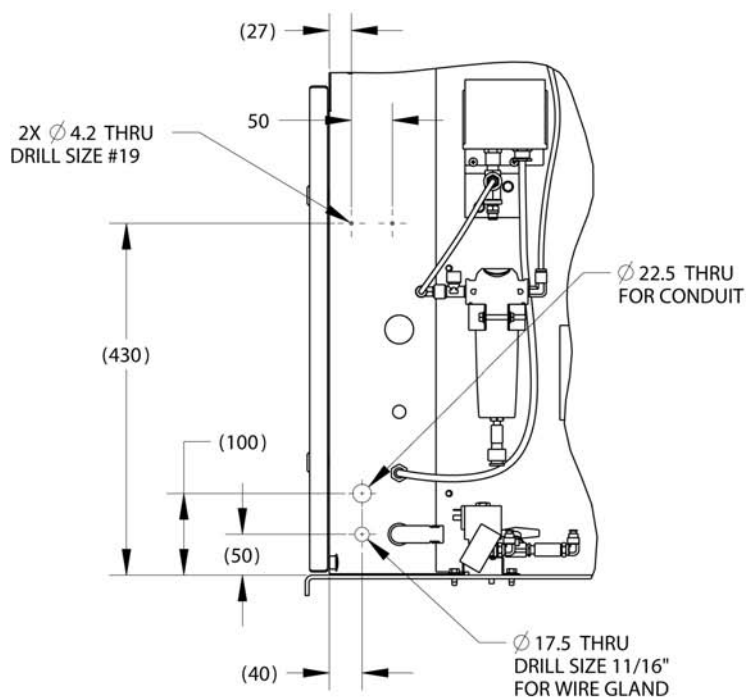
(Dwg. 23227721D2)

PARTS LIST

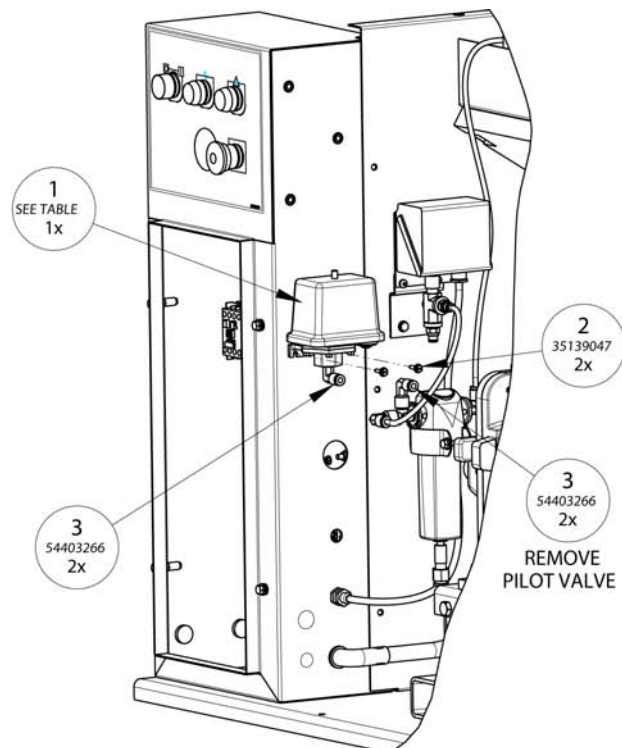
Item	Part No.	Description	Qty.
1	22107833	BRACKET, SOLENOID VALVE (INTELLISYS)	1
2	23127715	GAUGE, PRESSURE 0-225 PSI	1
3	23216690	VALVE, SOLENOID 0.125" NPT, 110 V 50/60 Hz	1
4	39302039	VALVE, BALL 0.125 - 2WAY	1
5	89244008	ELBOW, MALE SWIVEL 1/8 NPT x Ø6 TUBE	3
6	92368687	SCREW, TPG M6 x 1.0 x 14 LG	2
7	95659207	COUPLING, FULL SCHD 160 3000LB .13 NPT	1
8	95780425	TEE, MALE RUN 0.13FNPT x 0.13 FNPT x 0.13 NPT	2
9	96743182	SCREW, HEX SOCKET BUTTON HEAD M4 x 10.00 LONG	4

ASSEMBLY INSTRUCTIONS FIELD WARM UP KIT DRAWING AND PARTS LIST

Assemble Pressure Switch



SUGGESTED MOUNTING HOLES LOCATION



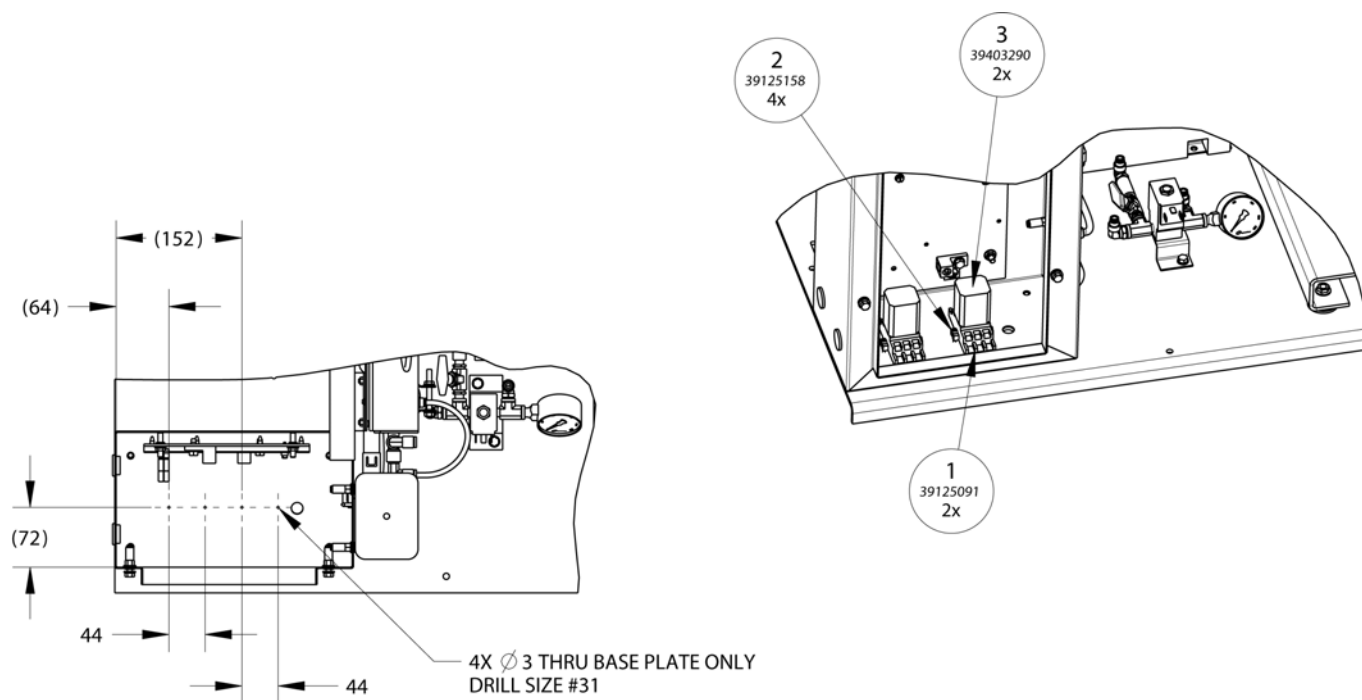
(Dwg. 23227721D3)

PARTS LIST

Item	Part No.	Description	Qty.
1	23214927	SWITCH, PRESSURE CUT-OUT, MANUAL RESET, 115 PSI	1
	23214950	SWITCH, PRESSURE CUT-OUT, MANUAL RESET, 125 PSI	1
	23214968	SWITCH, PRESSURE CUT-OUT, MANUAL RESET, 145 PSI	1
	23214935	SWITCH, PRESSURE CUT-OUT, MANUAL RESET, 150 PSI	1
	23214943	SWITCH, PRESSURE CUT-OUT, MANUAL RESET, 210 PSI	1
2	35139047	SCREW, SLOTTED WASHER HEAD TAPPING #10 x 0.75 LONG	2
3	54403266	ELBOW, 0.25" BSPT x 6 mm TUBE	2

ASSEMBLY INSTRUCTIONS FIELD WARM UP KIT DRAWING AND PARTS LIST

Assemble Automatic Control Relays



SUGGESTED MOUNTING HOLES LOCATION

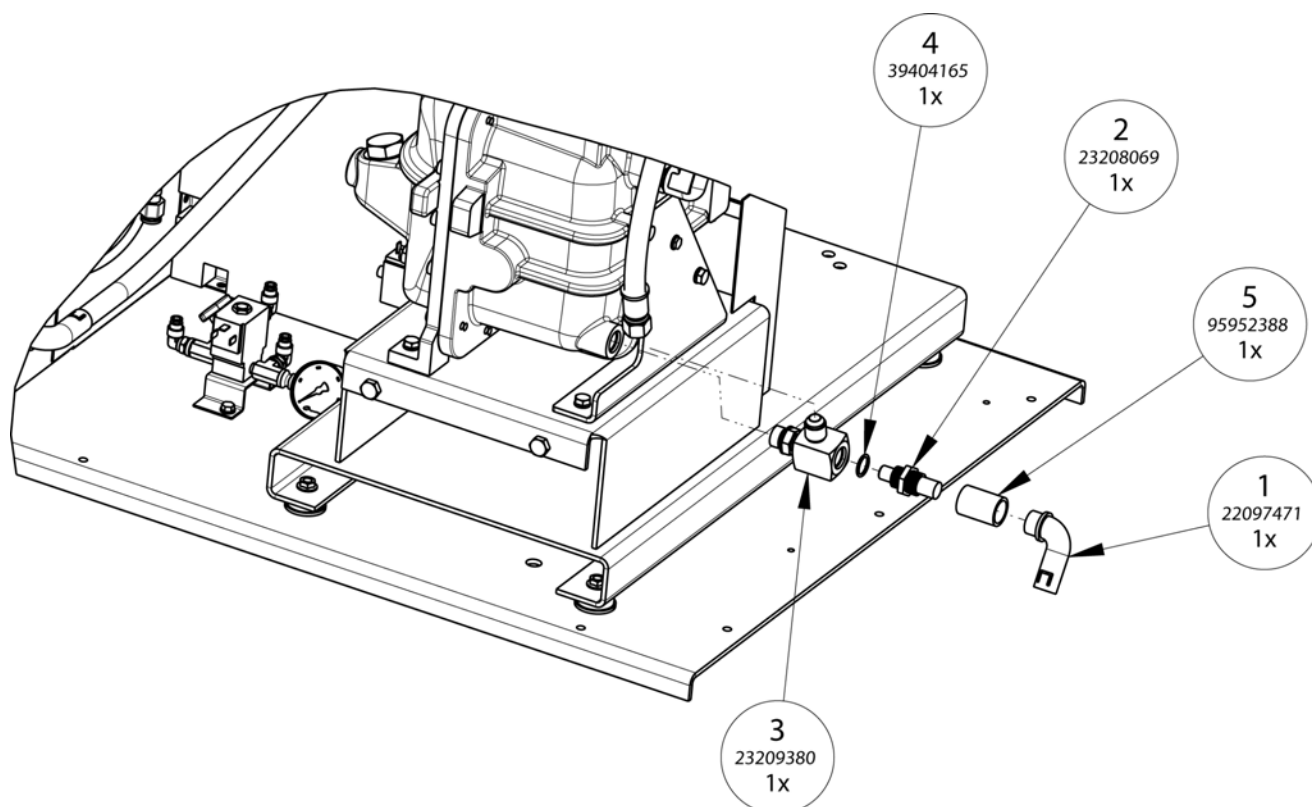
(Dwg. 23227721D4)

PARTS LIST

Item	Part No.	Description	Qty.
1	39125091	SOCKET, 11 BLADE	2
2	39125158	SCREW, #6-32 x 0.63 LONG SELF-TAPPING	4
3	39403290	RELAY, AUTOMATIC CONTROL - STANDARD	2

ASSEMBLY INSTRUCTIONS FIELD WARM UP KIT DRAWING AND PARTS LIST

Assemble Manifold and High Air Temp. Switch



AFTER DRAINING OIL, REMOVE ELBOW,
INSTALL NEW COMPONENTS AS SHOWN
AND ATTACH THE EXISTING HOSE
TO THE MANIFOLD (23209380).

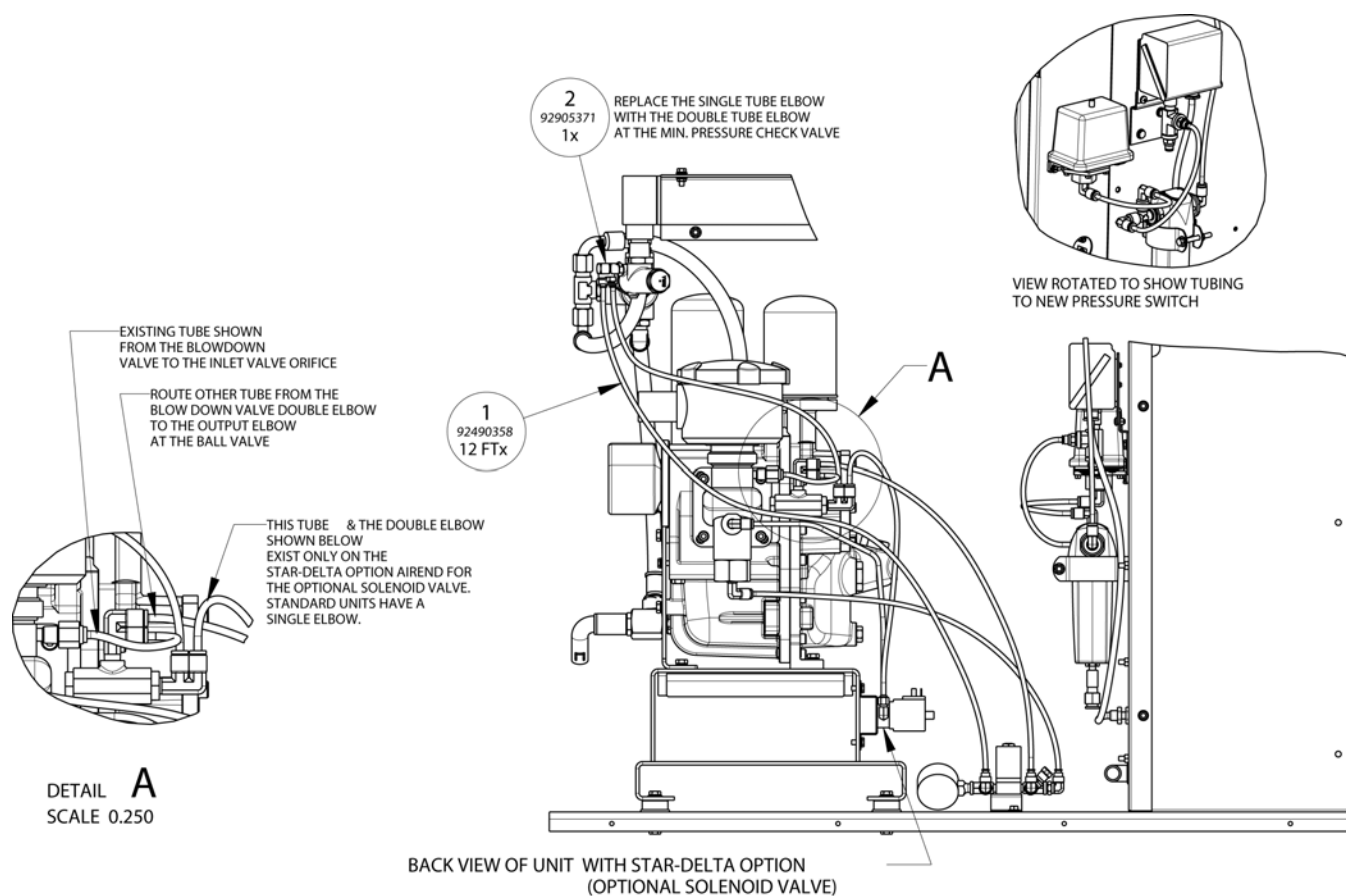
(Dwg. 23227721D5)

PARTS LIST

Item	Part No.	Description	Qty.
1	22097471	ELBOW, 90 DEGREE CONDUIT (0.50" NPT x 0.375 CONDUIT)	1
2	23208069	SWITCH, HIGH AIR TEMP 185° F	1
3	23209380	MANIFOLD, HATS	1
4	39404165	O-RING FOR STRAIGHT THD. FITTING W/3/4-16 THD	1
5	95952388	COUPLING, STANDARD 0.50 NPT x 1.50 LONG	1

ASSEMBLY INSTRUCTIONS FIELD WARM UP KIT DRAWING AND PARTS LIST

Assemble 6 mm Tubing



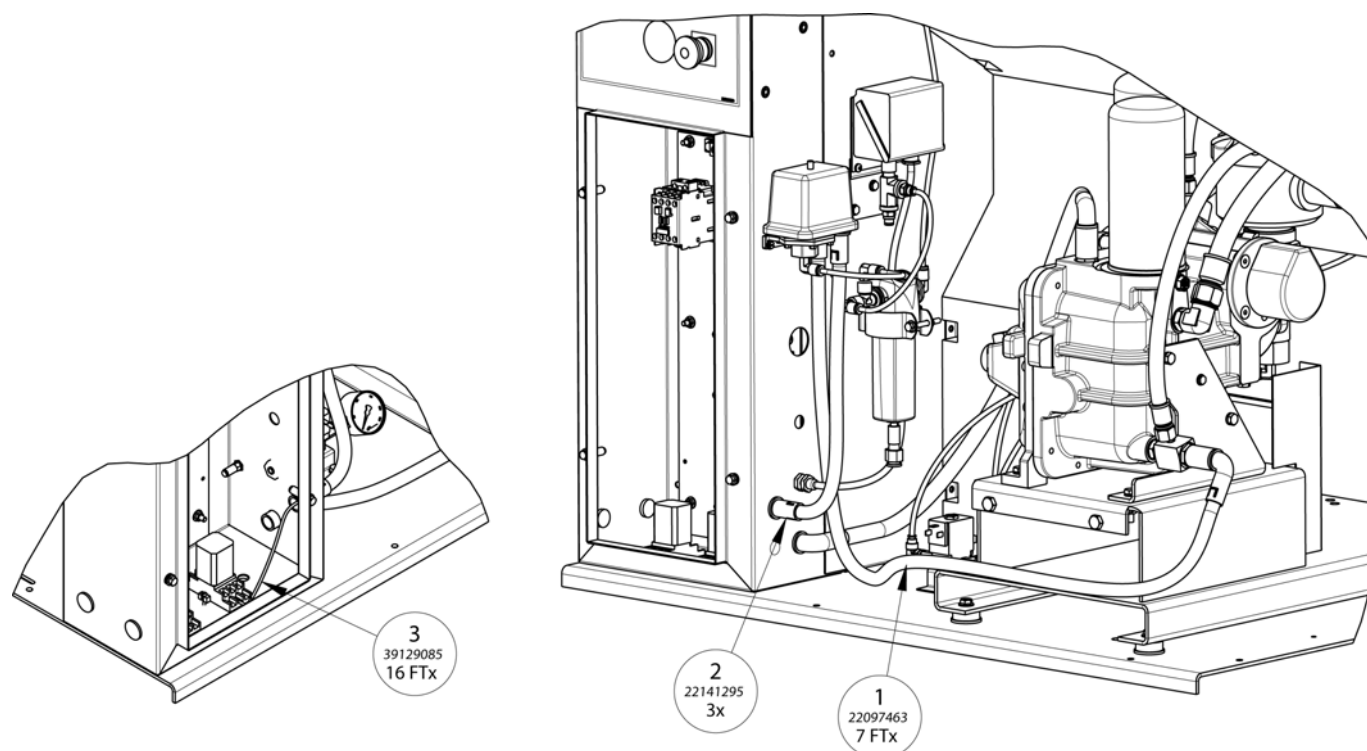
(Dwg. 23227721D6)

PARTS LIST

Item	Part No.	Description	Qty.
1	92490358	TUBE, NYLON 6 mm OD BLUE	12 FT
2	92905371	ELBOW- (2), MALE SWIVEL 1/8 NPT x Ø6 TUBE	1

ASSEMBLY INSTRUCTIONS FIELD WARM UP KIT DRAWING AND PARTS LIST

Assemble Conduit, Connectors and Wires



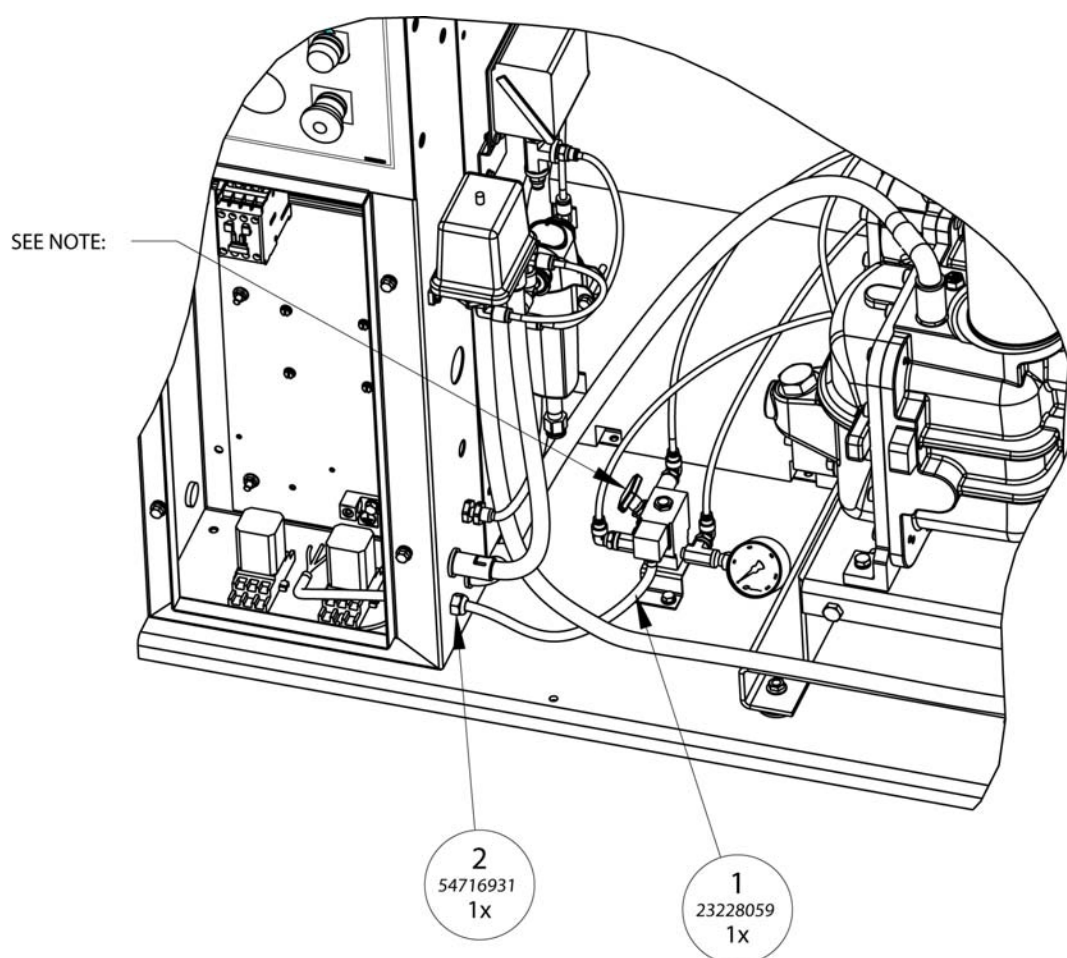
(Dwg. 23227721D7)

PARTS LIST

Item	Part No.	Description	Qty.
1	22097463	CONDUIT, 0.375" HEAVY	7 FT
2	22141295	CONNECTOR, CONDUIT (0.50" NPT x 0.375 CONDUIT)	3
3	39129085	WIRE, 16 GA RED	16 FT

ASSEMBLY INSTRUCTIONS FIELD WARM UP KIT DRAWING AND PARTS LIST

Assemble Solenoid Cable Assembly and Gland



(Dwg. 23227721D8)

PARTS LIST

Item	Part No.	Description	Qty.
1	23228059	ASSEMBLY, CABLE SV	1
2	54716931	GLAND, WIRE	1

NOTE:

- ADJUST VALVE AS NEEDED TO CONTROL THE BLOWDOWN TIME.
- VALVE SHOULD NOT BE COMPLETELY CLOSED.
- GAUGE SHOWS SUMP PRESSURE.

ASSEMBLY INSTRUCTIONS FIELD WARM UP KIT PARTS LIST

Wiring Information

(Part Number: 23227721D9)

WIRING RELAY 1 (PSR)		
LOCATION OBJECT (TERMINALLABEL)	LOCATION OBJECT (TERMINALLABEL)	NOTES
PS1	PSR (A)	RELOCATE END POINT OF WIRE LABELED #7 OUT OF PS1 TO PSR
PSR (B)	CR NEUTRAL	LOCATE WITH WHITE WIRES ON CONTROL RELAY
CR (13)	CR (43)	JUMP WIRE #5 FROM 13 TO 43 ON CONTROL RELAY
CR (44)	PSR (7)	
PSR (4)	M1 POWER	M1 POWER (SEE CHART BELOW)
PSR (1)	SV	

WIRING RELAY 2 (WCR)		
LOCATION OBJECT (TERMINALLABEL)	LOCATION OBJECT (TERMINALLABEL)	NOTES
PS2 (11)	WCR (A)	
WCR (B)	PSR (B)	
CR (44)	WCR (7)	
WCR (4)	M1 POWER	LOCATION IN M1 OF ORIGINAL #7 WIRE FROM PS1
WCR (4)	WUTS	

WIRING WARM UP TEMPERATURE SWITCH (WUTS)		
LOCATION OBJECT (TERMINALLABEL)	LOCATION OBJECT (TERMINALLABEL)	NOTES
WUTS	PS2 (12)	
WCR (4)	WUTS	DUPLICATE LOCATIONS FROM WCR WIRING (DO ONLY ONCE)

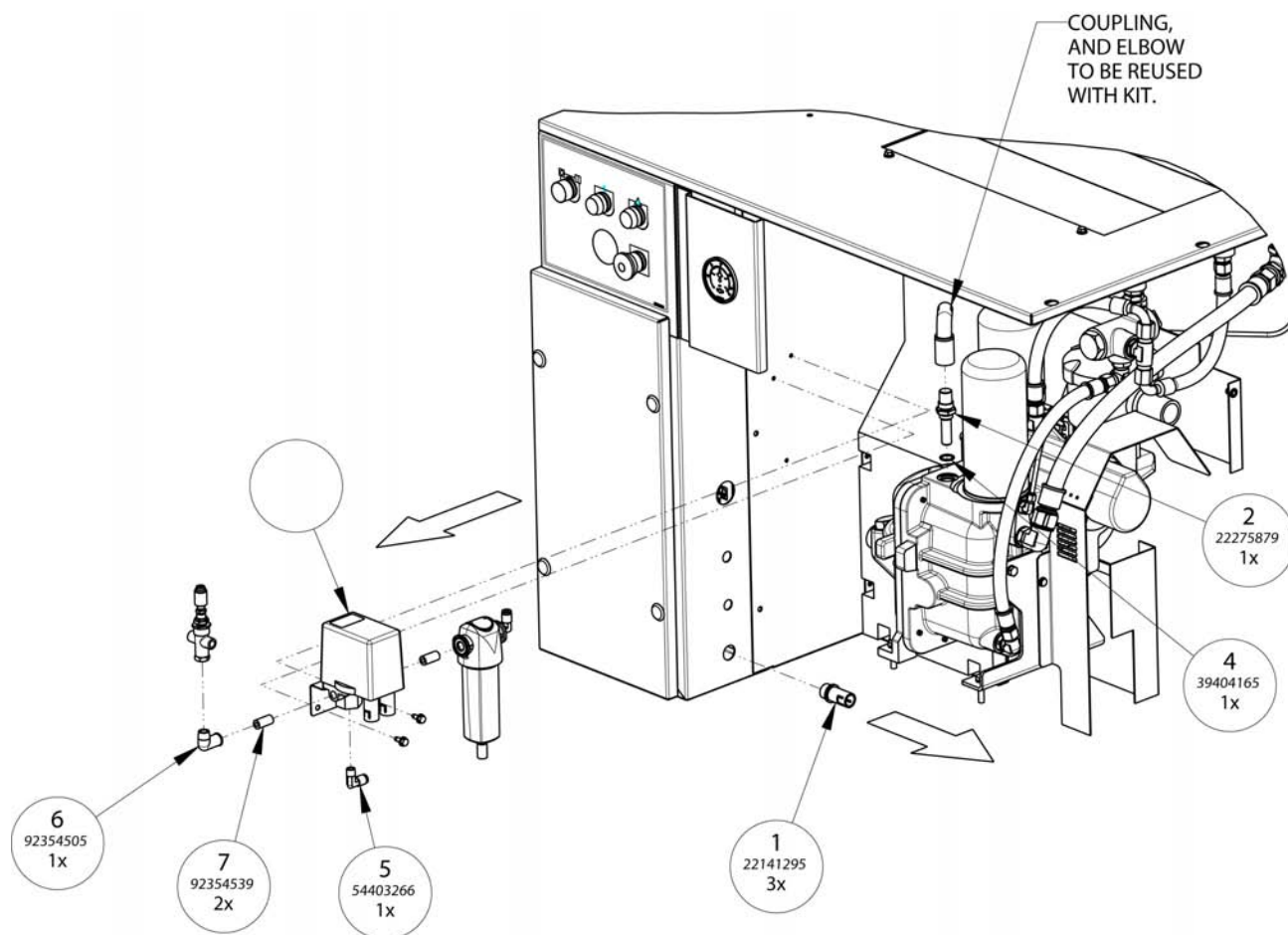
WIRING SOLENIOD (SV)		
LOCATION OBJECT (TERMINALLABEL)	LOCATION OBJECT (TERMINALLABEL)	NOTES
SV	WCR (B)	
PSR (1)	SV	DUPLICATE LOCATIONS FROM PSR WIRING (DO ONLY ONCE)
SV	GROUND	

LEGEND	DESCRIPTION
CR	CONTROL RELAY (EXISTING ON UNIT)
M1	MAIN MOTOR RELAY (EXISTING ON UNIT)
PS1	ORIGINAL PRESSURE SWITCH (EXISTING ON UNIT)
PS2	PRESSURE SWITCH (KIT SUPPLIED)
PSR	PRESSURE SWITCH RELAY (KIT SUPPLIED)
SV	SOLENOID VALVE (KIT SUPPLIED)
WCR	WARM UP CONTROL RELAY (KIT SUPPLIED)
WUTS	WARM UP TEMPERATURE SWITCH (KIT SUPPLIED)

ASSEMBLY INSTRUCTIONS PRESS. SWITCH RETRO-FIT KIT

DRAWING AND PARTS LIST

Disassemble Pressure Switch, Filter, and Pilot Valve



(Dwg. 23665656A2)

PARTS LIST

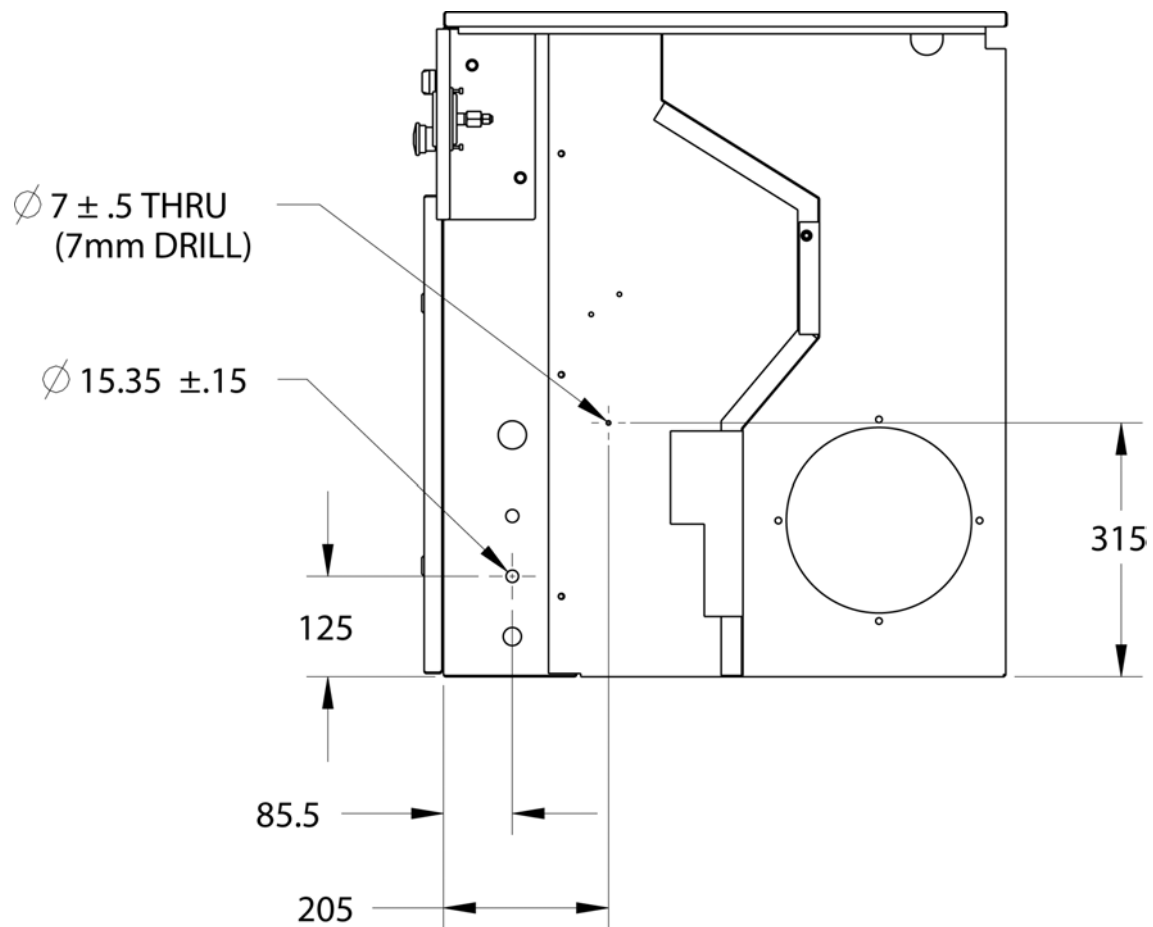
Item	Part No.	Description	Qty.
1	22141295	CONNECTOR, CONDUIT (0.50" NPT x 0.375 CONDUIT)	3
2	22275879	SWITCH, HIGH AIR TEMP. (228 DEG. F)	1
3	VARIES	SWITCH, PRESSURE	1
4	39404165	O-RING, ID 0.644 WIDTH .087	1
5	54403266	ELBOW, 0.25" BSPT x 6 mm TUBE	1
6	92354505	ELBOW, 90° 1/4" BSPT-BSPT MALE/FEMALE	1
7	92354539	NIPPLE, CLOSE .25" BSPT x 1.06" LG.	2

DISASSEMBLE WIRING AND CONDUIT FROM THE PRESSURE SWITCH, AND REMOVE THE COMPONENTS AS SHOWN. THE MOUNTING SCREWS, PILOT VALVE, AND AIR FILTER WITH ELBOW (ELBOW, TEE, & SAFETY VALVE ON SIRC) TO BE REUSED WITH THE RETRO-FIT KIT.

ASSEMBLY INSTRUCTIONS PRESS. SWITCH RETRO-FIT KIT

DRAWING AND PARTS LIST

Drill Hole for Mounting Filter Hanger and Hole for Switch Conduit



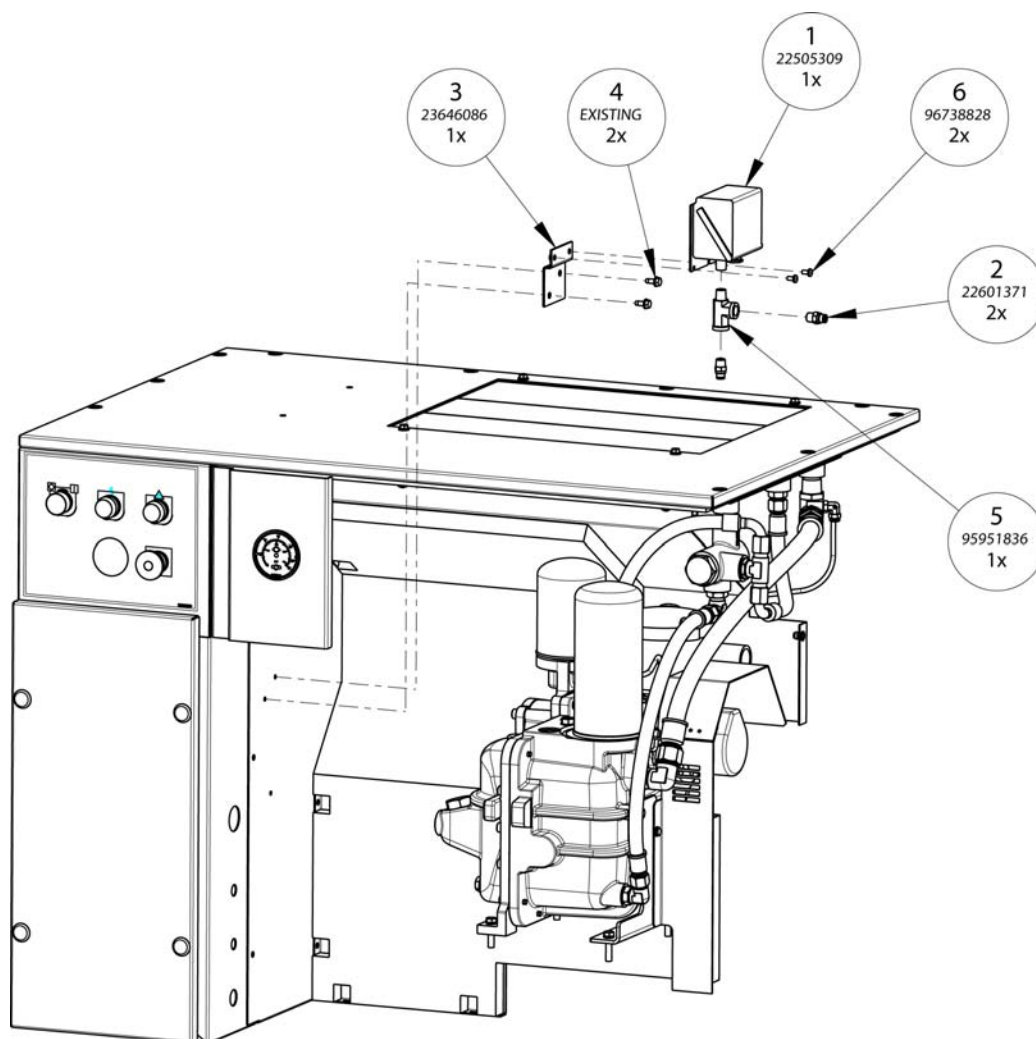
(Dwg. 23665656A3)

CAUTION: WATCH FOR OBJECTS ON BACKSIDE OF PANELS WHEN DRILLING HOLES

ASSEMBLY INSTRUCTIONS PRESS. SWITCH RETRO-FIT KIT

DRAWING AND PARTS LIST

Assemble Pressure Switch to Blower Inlet Panel



(Dwg. 23665656A4)

PARTS LIST

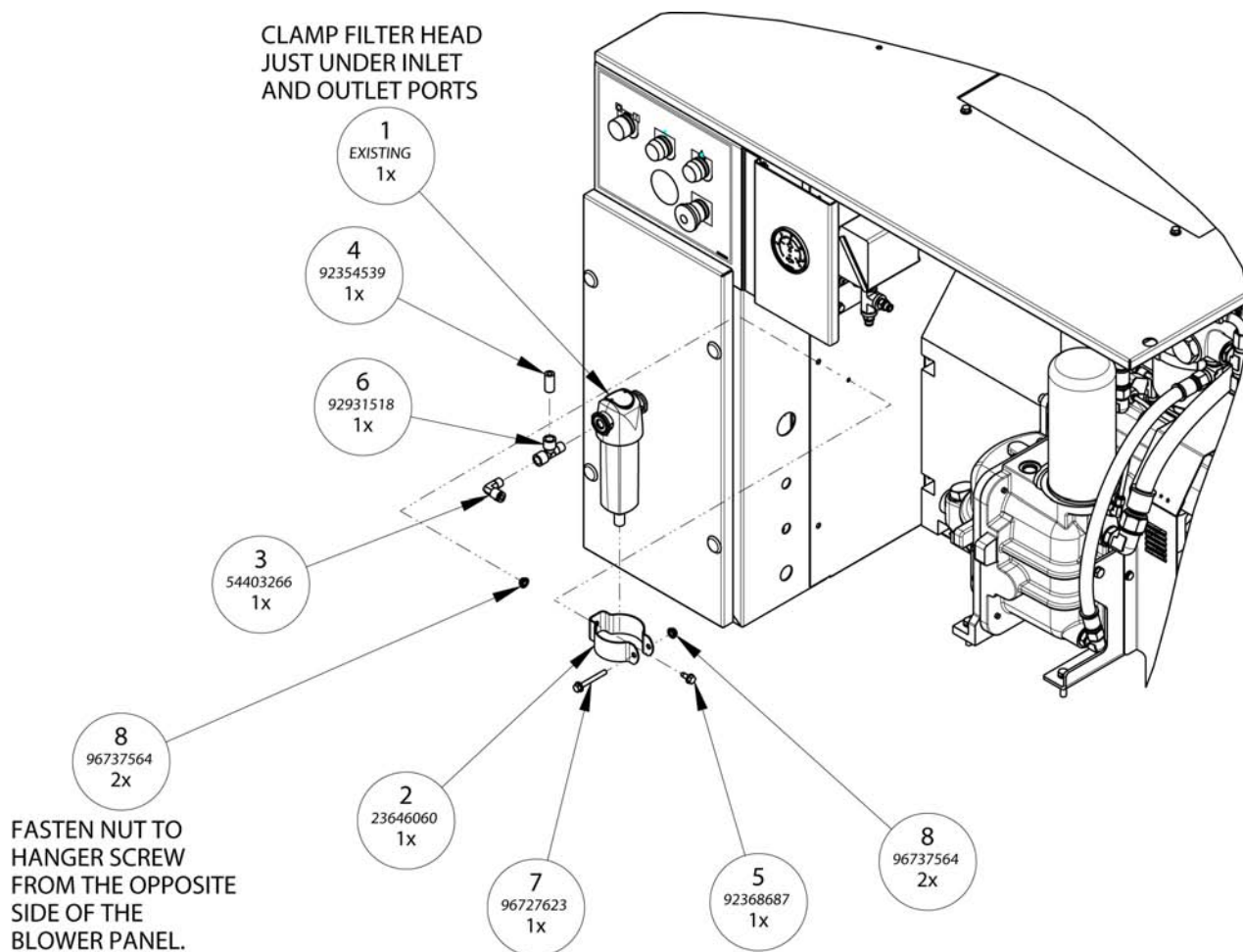
Item	Part No.	Description	Qty.
1	22505309	SWITCH, PRESSURE CONTROL	1
2	22601371	CONNECTOR, MALE 0.25" NPT x 6mm TUBE	2
3	23646086	BRACKET, PRESSURE SWITCH	1
4	E x ISTING	SCREW, TPG M6 x 1.0 x 14 LG	2
5	95951836	TEE, MALE RUN 0.25 FNPT x 0.25 FNPT x 0.25 NPT	1
6	96738828	SCREW, MACHINE PAN HEAD TYPE H M5 x 10.0 LONG	2

IMPORTANT: ADJUST THE PRESSURE SWITCH TO THE APPROPRIATE PRESSURE SETTING FOR THE UNIT.

ASSEMBLY INSTRUCTIONS PRESS. SWITCH RETRO-FIT KIT

DRAWING AND PARTS LIST

Assemble Air Filter to Blower Inlet Panel



(Dwg. 23665656A5)

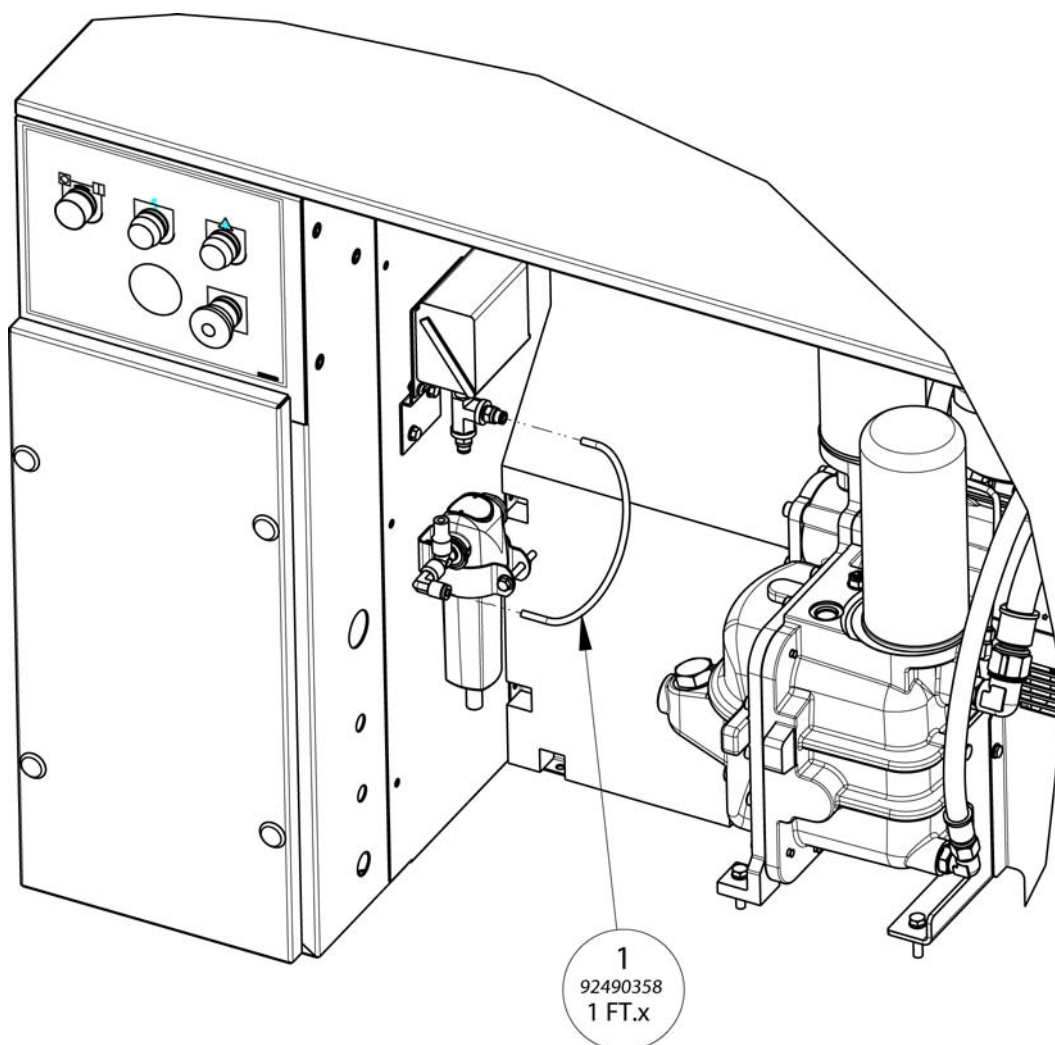
PARTS LIST

Item	Part No.	Description	Qty.
1	EXISTING	FILTER, CONTROL AIR 1/4" BSPT W/ FLOAT DRAIN	1
2	23646060	HANGER, CONDUIT / PIPE 2"	1
3	54403266	ELBOW, 0.25" BSPT x 6 mm TUBE	1
4	92354539	NIPPLE, CLOSE 0.25" BSPT x 1.06" LG.	1
5	92368687	SCREW, TPG M6 x 1.0 x 14 LG	1
6	92931518	TEE, MALE RUN 1/4" BSPT	1
7	96727623	BOLT, HEX FLANGE M6-1.00 x 50.0 LONG	1
8	96737564	NUT, HEX FLANGE LOCK SERRATED M6-1.00	2

ASSEMBLY INSTRUCTIONS PRESS. SWITCH RETRO-FIT KIT

DRAWING AND PARTS LIST

Assemble Tubing to Pressure Switch



(Dwg. 23665656A6)

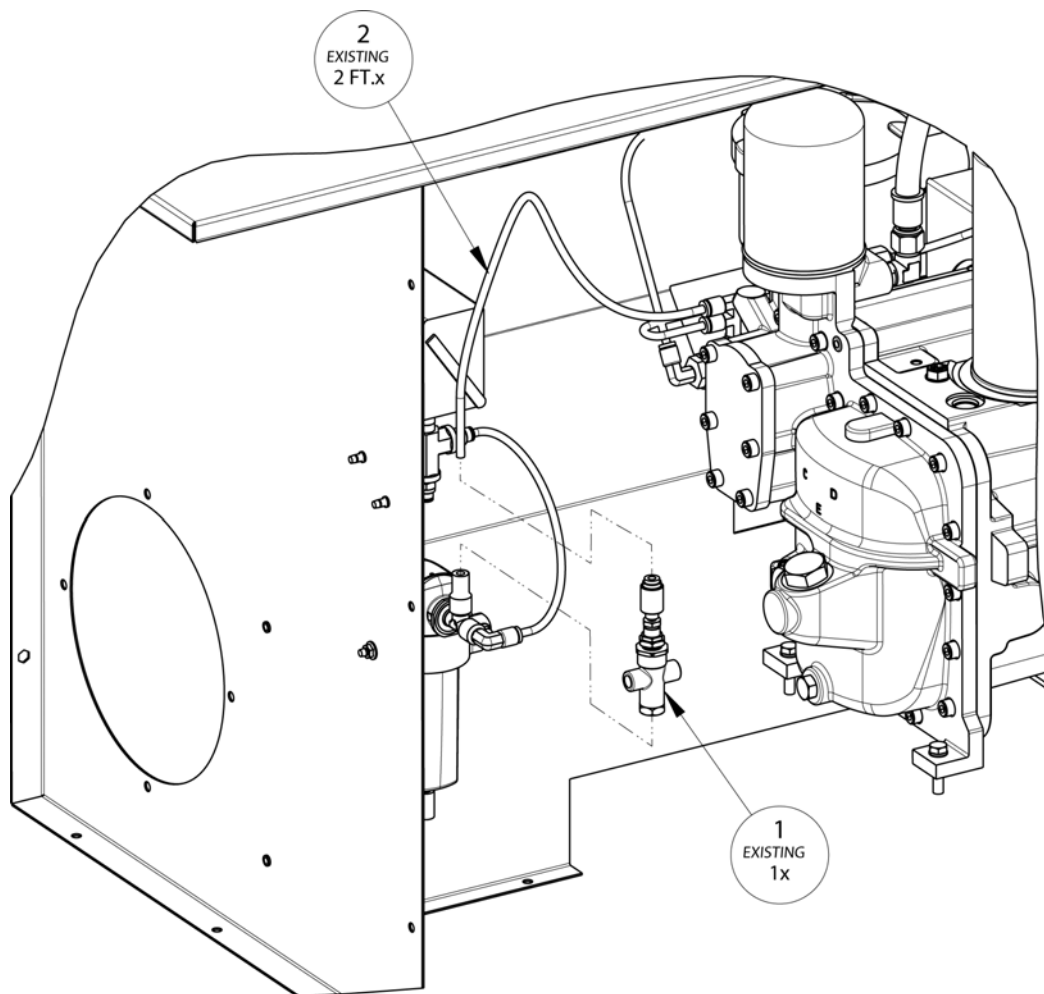
PARTS LIST

Item	Part No.	Description	Qty.
1	92490358	TUBE, NYLON 6 mm OD (BLUE)	1 FT.

ASSEMBLY INSTRUCTIONS PRESS. SWITCH RETRO-FIT KIT

DRAWING AND PARTS LIST

Assemble Pilot Valve and Tubing to Blow Down Valve



(Dwg. 23665656A7)

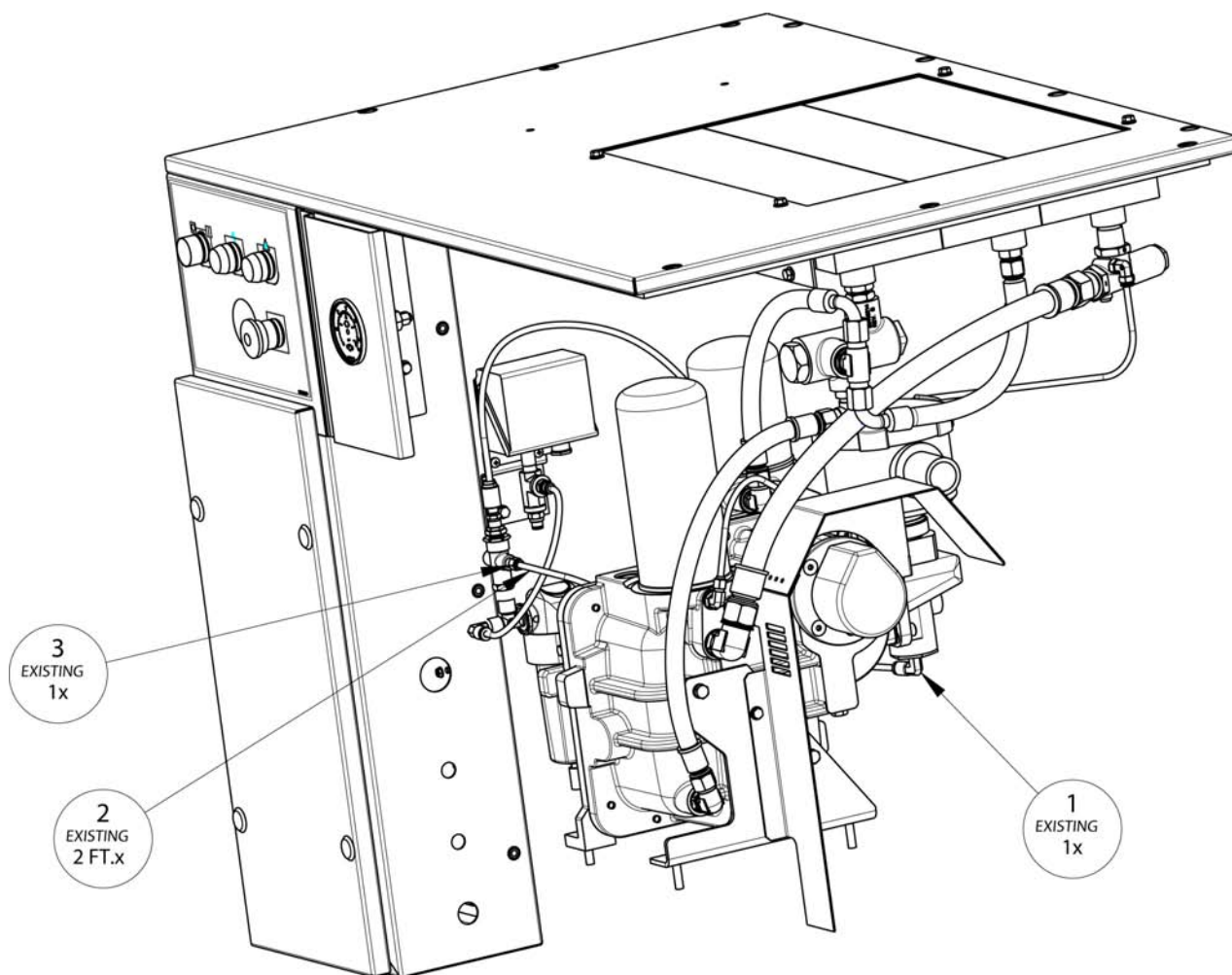
PARTS LIST

Item	Part No.	Description	Qty.
1	EXISTING	VALVE, PILOT PTC	1
2	EXISTING	TUBE, NYLON 6 mm O.D. (BLUE)	2 FT.

ASSEMBLY INSTRUCTIONS PRESS. SWITCH RETRO-FIT KIT

DRAWING AND PARTS LIST

Assemble Inlet Valve to Pilot Valve Tube



(Dwg. 23665656A8)

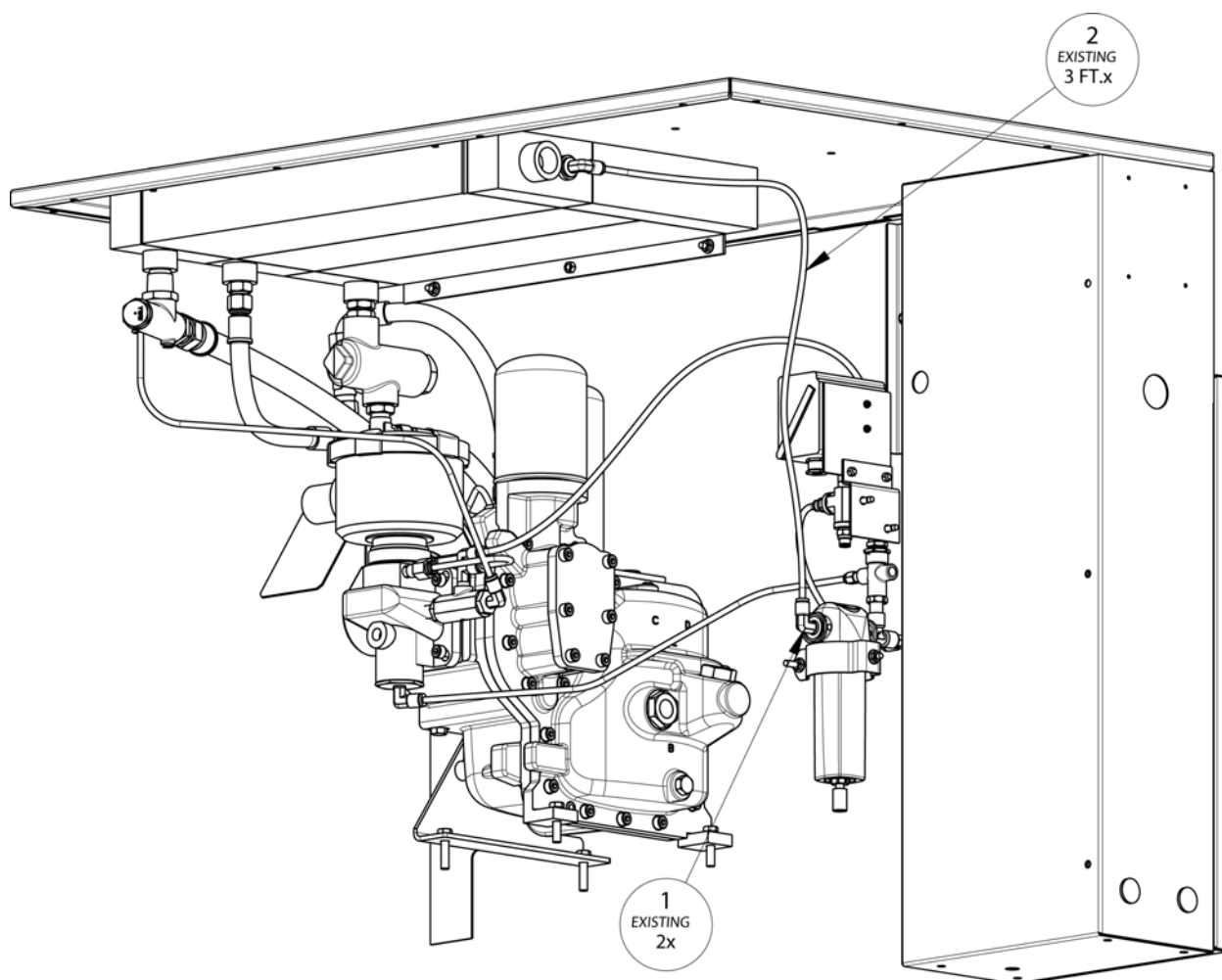
PARTS LIST

Item	Part No.	Description	Qty.
1	EXISTING	ELBOW, 0.25" BSPT x 6 mm TUBE	1
2	EXISTING	TUBE, NYLON 6 mm O.D. (BLUE)	2 FT.
3	EXISTING	CONNECTOR, 0.125" BSPT x 6 mm TUBE	1

ASSEMBLY INSTRUCTIONS PRESS. SWITCH RETRO-FIT KIT

DRAWING AND PARTS LIST

Assemble Aftercooler to Pressure Switch Tube (Non-sirc)



(Dwg. 23665656A9)

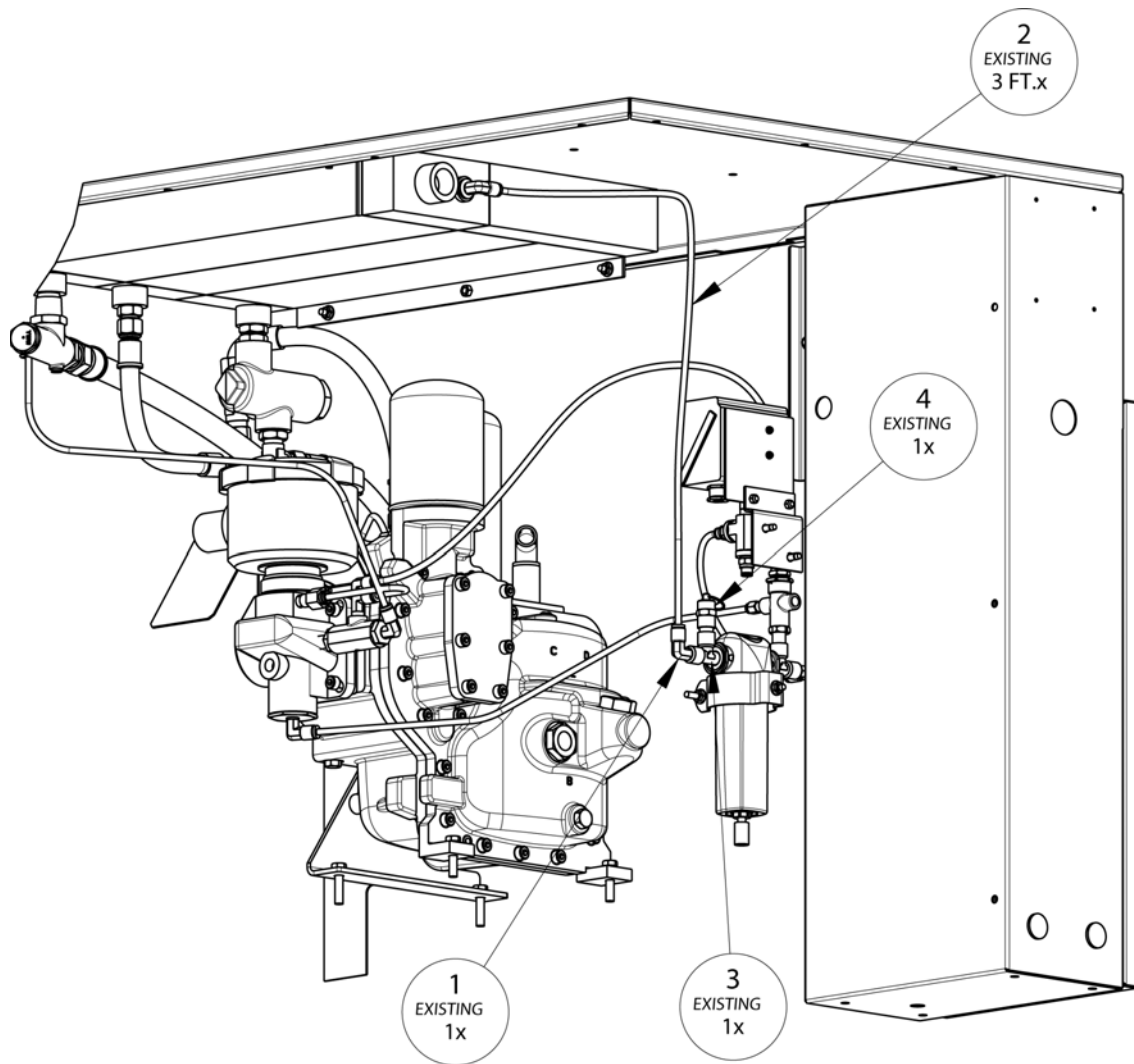
PARTS LIST

Item	Part No.	Description	Qty.
1	EXISTING	ELBOW, 0.25" BSPT x 6 mm TUBE	2
2	EXISTING	TUBE, NYLON 6 mm OD (BLUE)	3 FT.

ASSEMBLY INSTRUCTIONS PRESS. SWITCH RETRO-FIT KIT

DRAWING AND PARTS LIST

Assemble After-cooler to Pressure Switch Tube (SIRC)



(Dwg. 23665656A10)

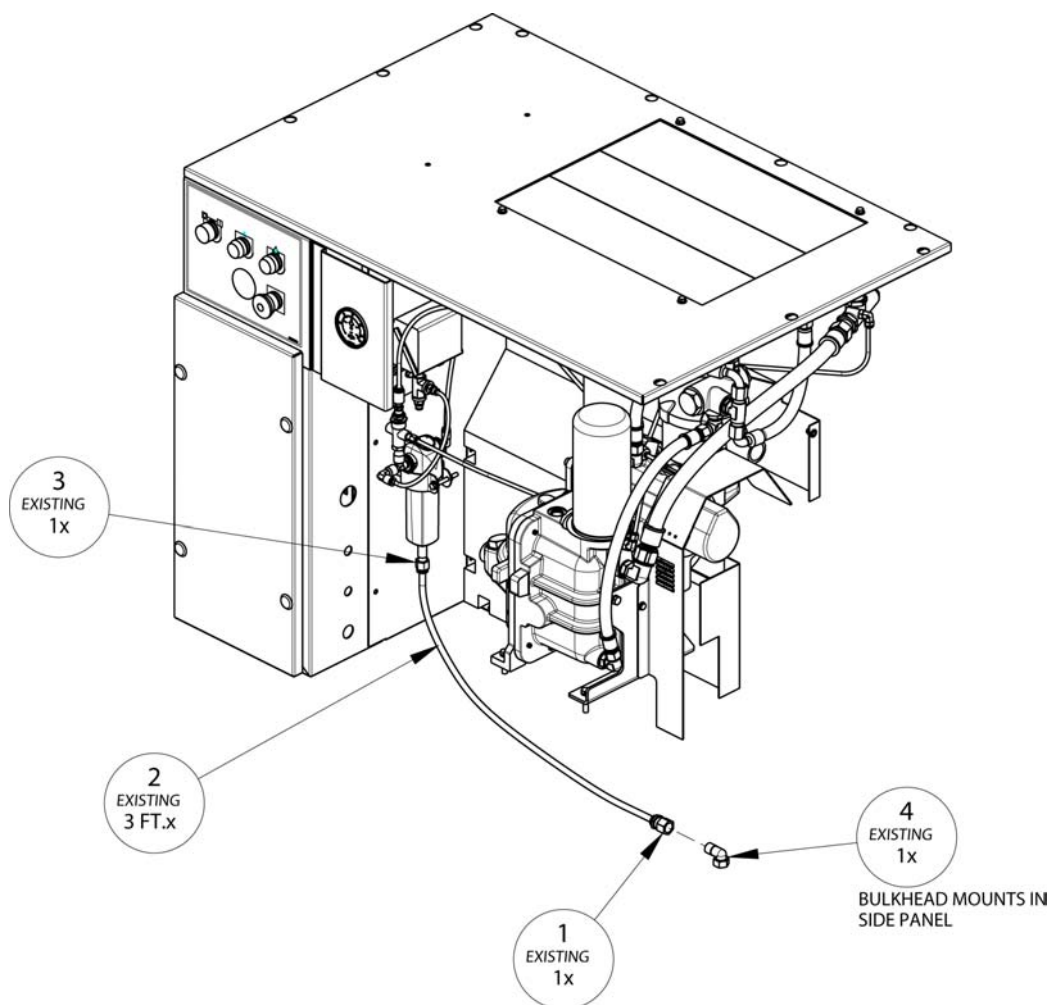
PARTS LIST

Item	Part No.	Description	Qty.
1	EXISTING	ELBOW, 0.25" BSPT x 6 mm TUBE	1
2	EXISTING	TUBE, NYLON 6 mm OD (BLUE)	3 FT.
3	EXISTING	TEE, MALE RUN 1/4" BSPT	1
4	EXISTING	VALVE, PRESSURE SAFETY	1

ASSEMBLY INSTRUCTIONS PRESS. SWITCH RETRO-FIT KIT

DRAWING AND PARTS LIST

Assemble Condensate Drain Line for Control Circuit



(Dwg. 23665656A11)

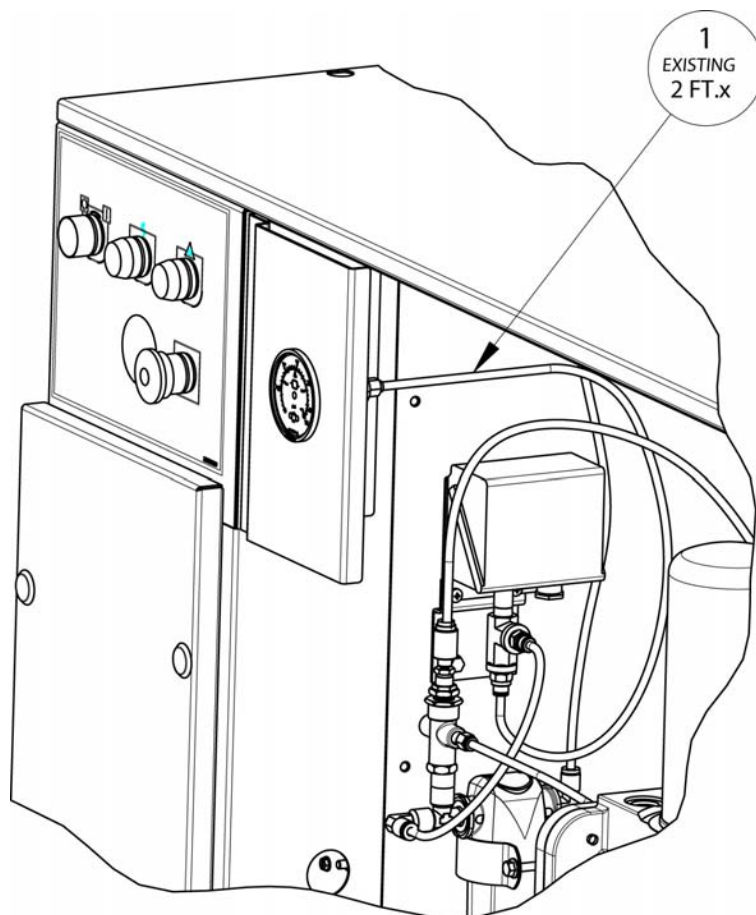
PARTS LIST

Item	Part No.	Description	Qty.
1	EXISTING	UNION, BULKHEAD 3/8" BSPP x 10 mm TUBE, FEMALE	1
2	EXISTING	TUBE, NYLON 10 mm O.D. (CLEAR)	3 FT.
3	EXISTING	CONNECTOR, MALE 1/4" BSPT TO 10 mm TUBE	1
4	EXISTING	ELBOW, BSPT TO BSPP 0.38 MBSPT x 0.38 FBSPP	1

ASSEMBLY INSTRUCTIONS PRESS. SWITCH RETRO-FIT KIT

DRAWING AND PARTS LIST

Assemble Tubing from Pressure Gauge to Pressure Switch



(Dwg. 23665656A12)

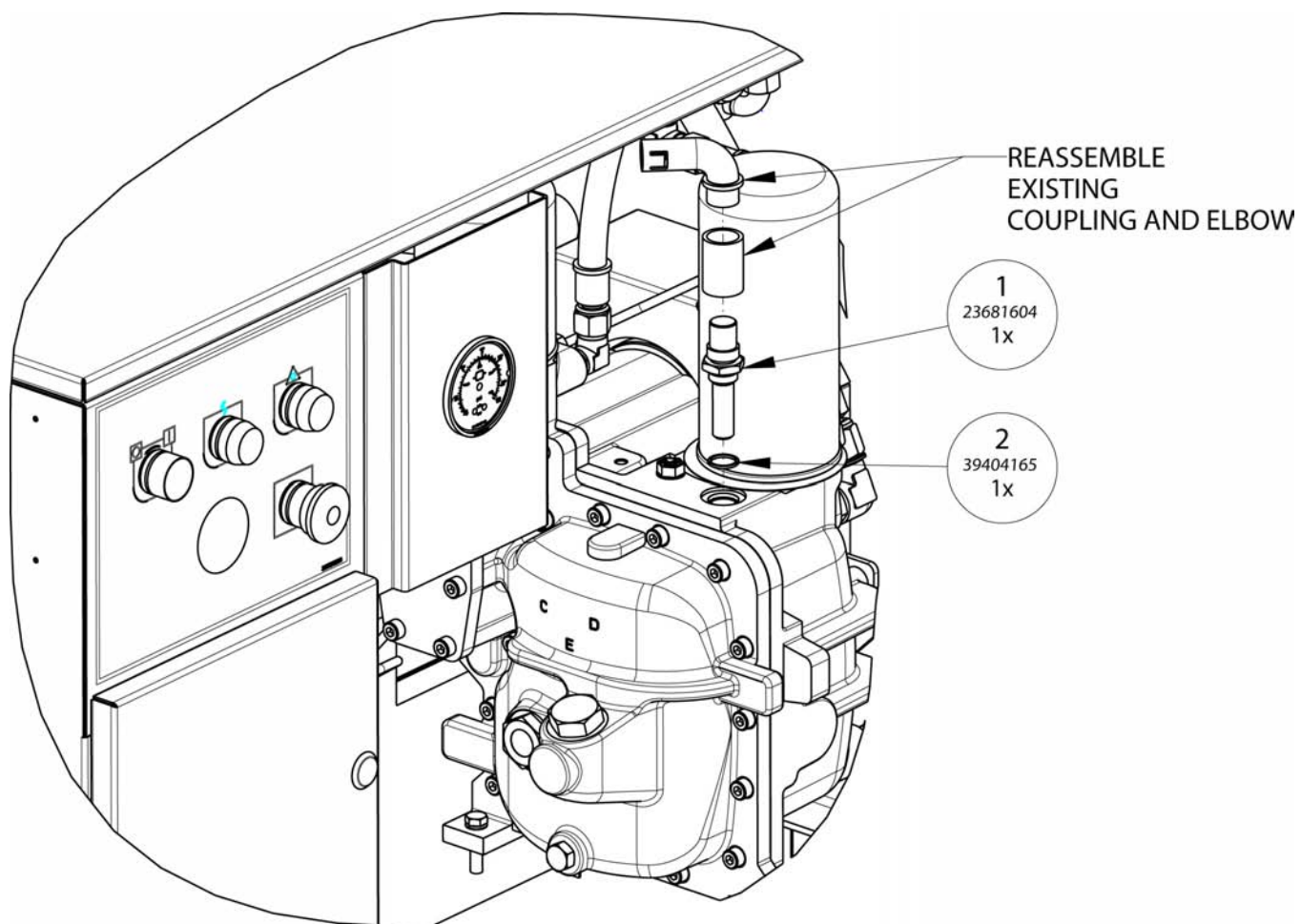
PARTS LIST

Item	Part No.	Description	Qty.
1	EXISTING	TUBE, NYLON 6 mm OD (BLUE)	2 FT.

ASSEMBLY INSTRUCTIONS PRESS. SWITCH RETRO-FIT KIT

DRAWING AND PARTS LIST

Assemble High Air Temp. Switch and Seal



(Dwg. 23665656A13)

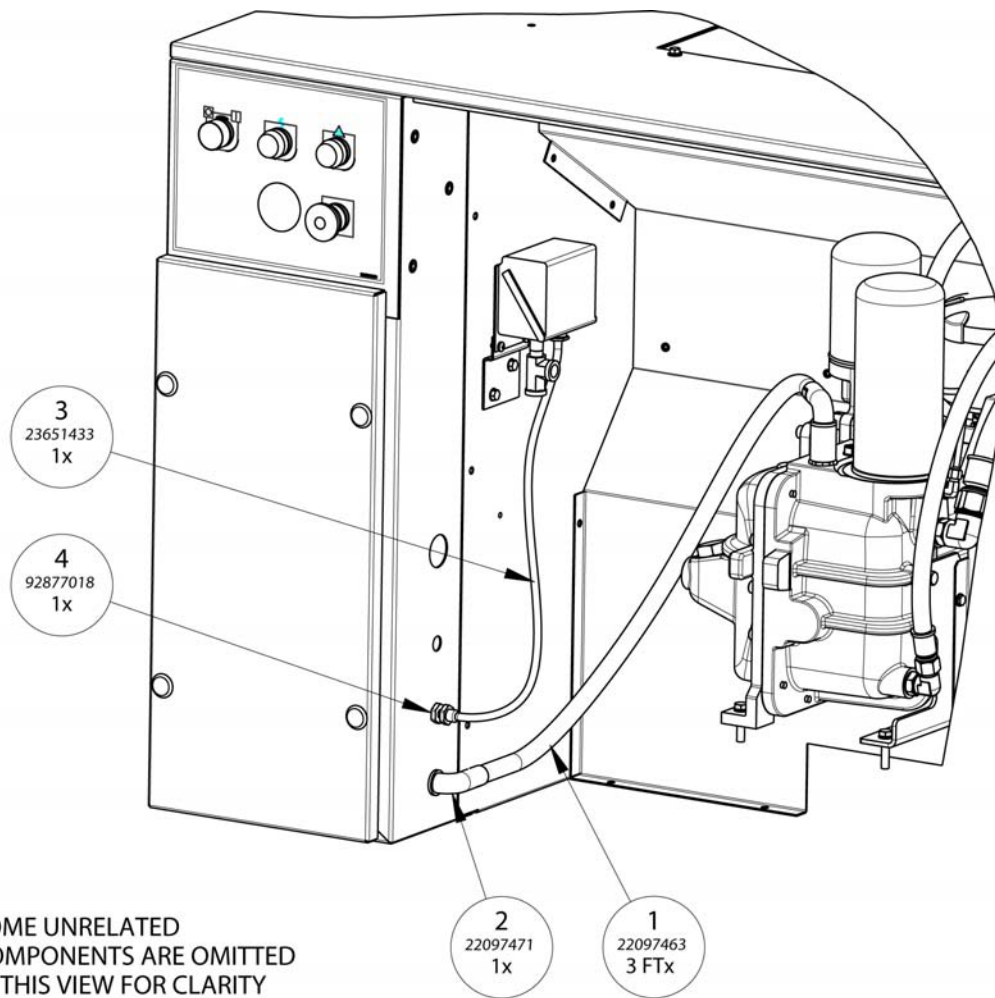
PARTS LIST

Item	Part No.	Description	Qty.
1	23681604	SWITCH, HIGH AIR TEMP. (228 DEG. F)	1
2	39404165	O-RING, ID 0.644 WIDTH 0.087	1

ASSEMBLY INSTRUCTIONS PRESS. SWITCH RETRO-FIT KIT

DRAWING AND PARTS LIST

Assemble Wiring for High Temp. Switch and Pressure Switch



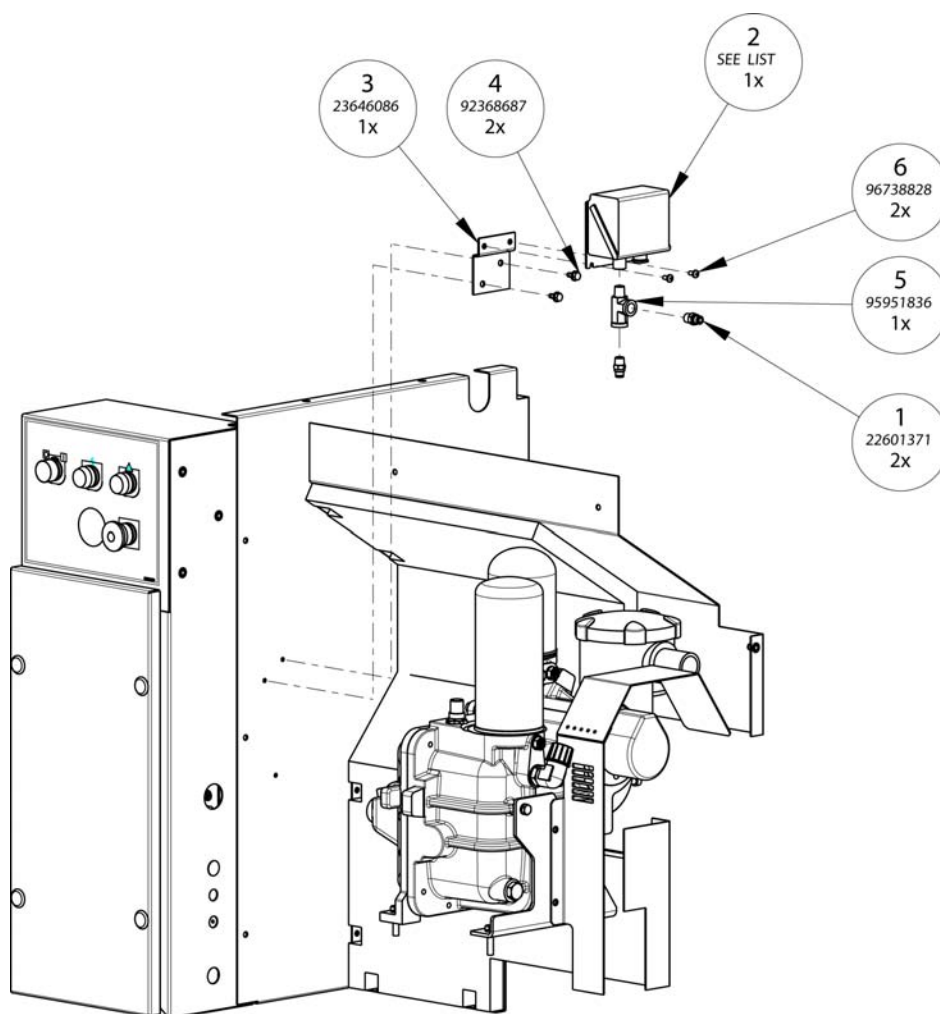
(Dwg. 23665656A14)

PARTS LIST

Item	Part No.	Description	Qty.
1	22097463	CONDUIT, 0.375" HEAVY	3 FT
2	22097471	ELBOW, 90 DEGREE CONDUIT (0.50" NPT x 0.375 CONDUIT)	1
3	23651433	ASSEMBLY, PRESSURE SWITCH CABLE'	1
4	92877018	GLAND, CABLE (LIQUID TIGHT FITTING)	1

CONTROLS 3 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Pressure Switch to Blower Inlet Panel



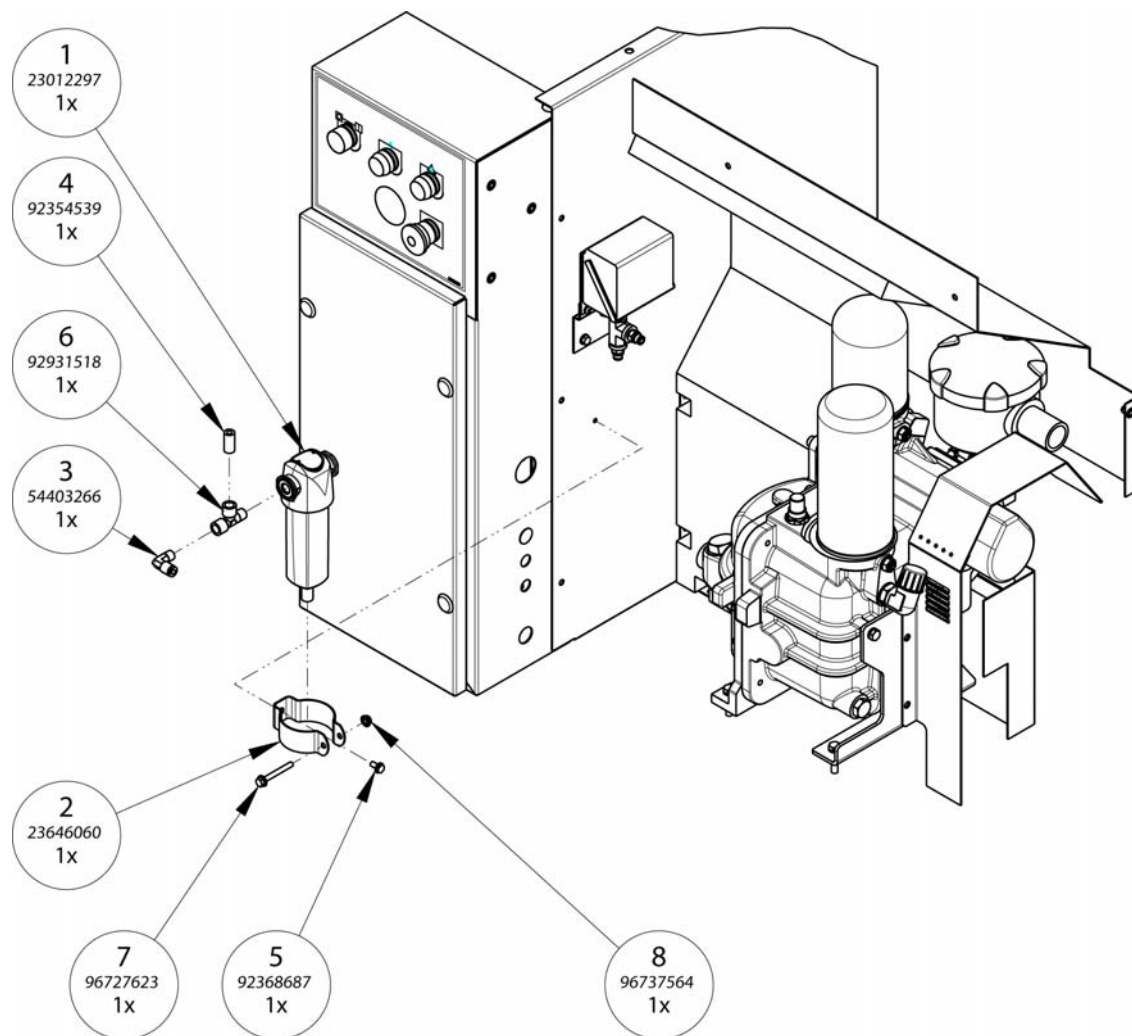
(Dwg. 24009268B2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22601371	CONNECTOR, MALE 0.25" NPT x 6 mm TUBE	2
2	23621600	SWITCH, PRESSURE 100-115 psi	1
	23621634	SWITCH, PRESSURE 110-125 psi	1
	23621618	SWITCH, PRESSURE 130-150 psi	1
	23621626	SWITCH, PRESSURE 180-210 psi	1
	23621592	SWITCH, PRESSURE 125-145 psig	1
3	23646086	BRACKET, PRESSURE SWITCH	1
4	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2
5	95951836	TEE, MALE RUN 0.25 FNPT x 0.25 FNPT x 0.25 NPT	1
6	96738828	SCREW, MACHINE PAN HEAD TYPE H M5 x 10.0 LONG	2

CONTROLS 3 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Air Filter to Blower Inlet Panel



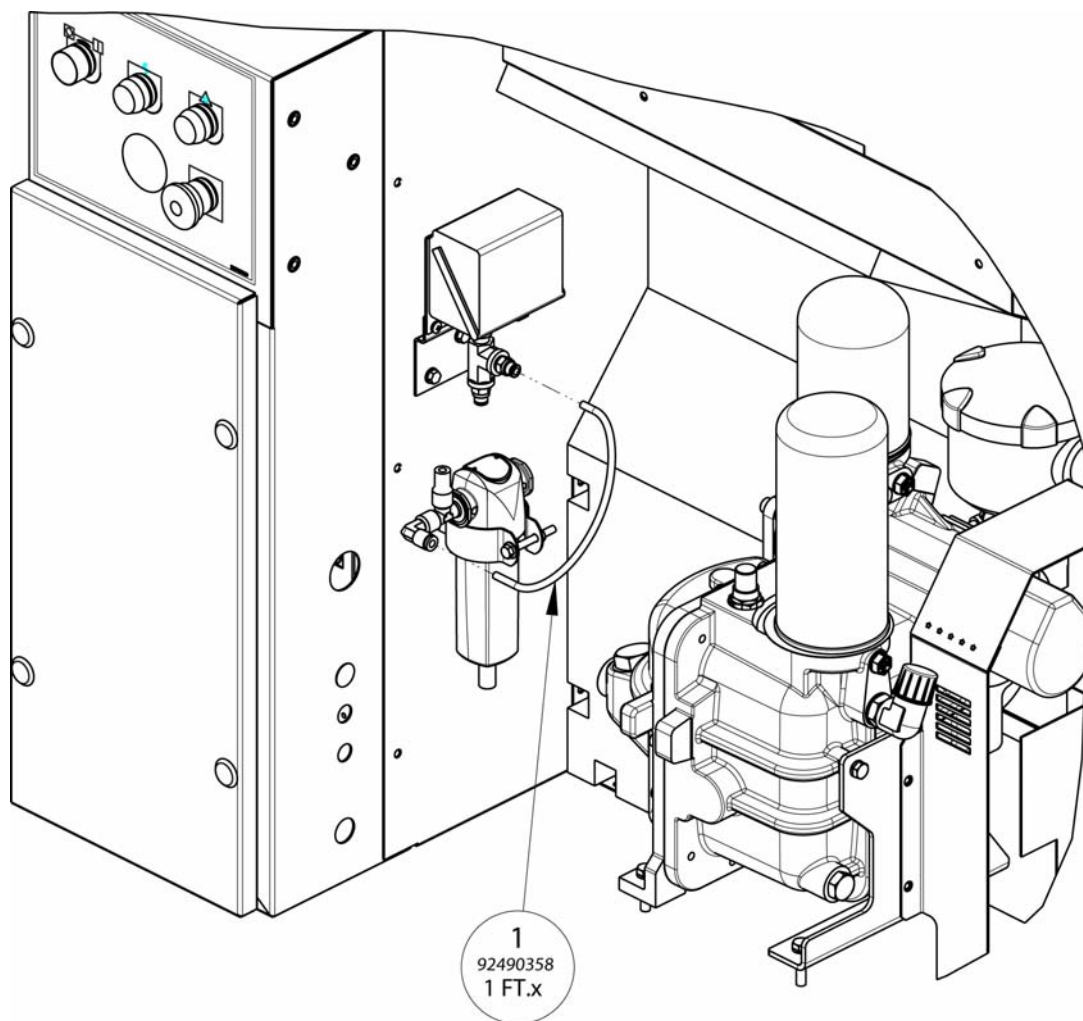
(Dwg. 24009268B3)

PARTS LIST

Item	Part No.	Description	Qty.
1	23012297	FILTER, CONTROL AIR 1/4" BSPT W/ FLOAT DRAIN	1
2	23646060	HANGER, CONDUIT / PIPE 2"	1
3	54403266	ELBOW, 0.25" BSPT x 6 mm TUBE	1
4	92354539	NIPPLE, CLOSE 0.25" BSPT x 1.06" LG.	1
5	92368687	TAPTITE SCREW M6 x 1 x 12 LG	1
6	92931518	TEE, MALE RUN 1/4" BSPT	1
7	96727623	BOLT, HEX FLANGE M6-1.00 x 50.0 LONG	1
8	96737564	NUT, HEX FLANGE LOCK SERRATED M6-1.00	1

CONTROLS 3 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Tubing to Pressure Switch



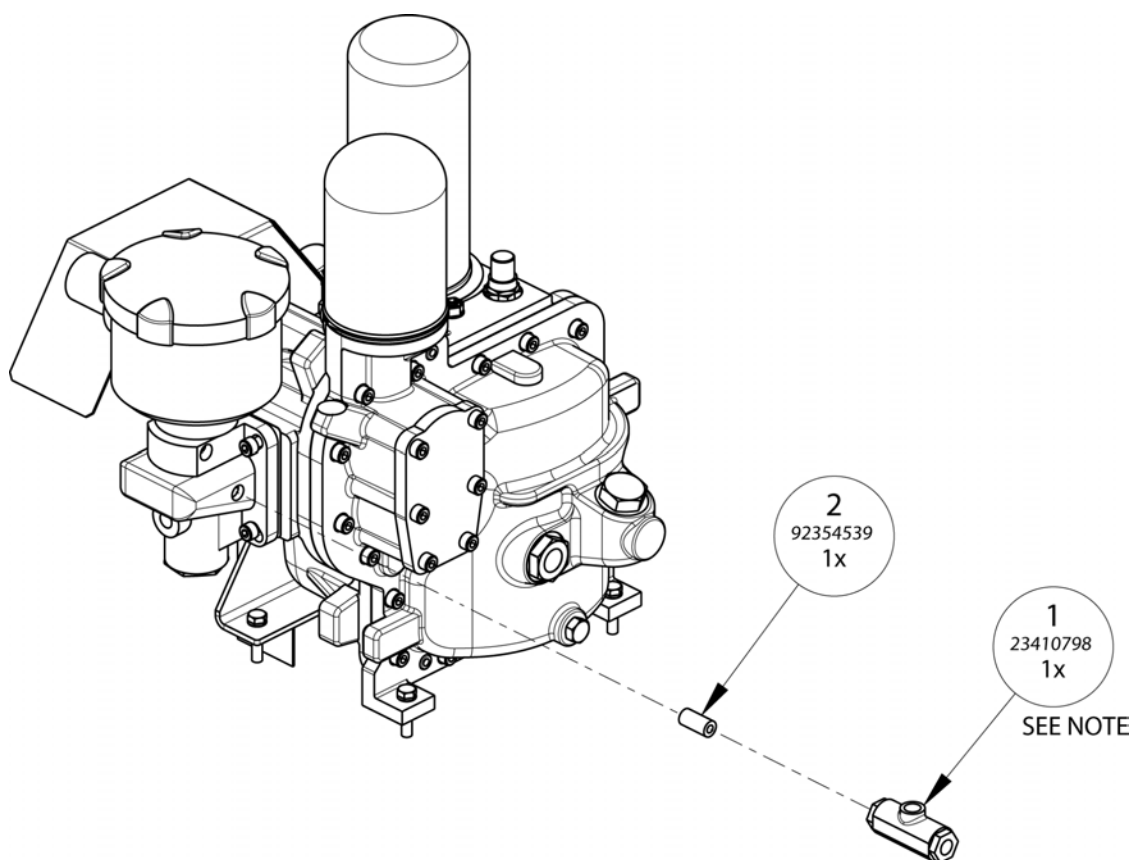
(Dwg. 24009268B4)

PARTS LIST

Item	Part No.	Description	Qty.
1	92490358	TUBE, NYLON 6 mm OD (BLUE)	1 FT.

CONTROLS 3 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Blowdown Valve to Inlet Valve



(Dwg. 24009268B5)

PARTS LIST

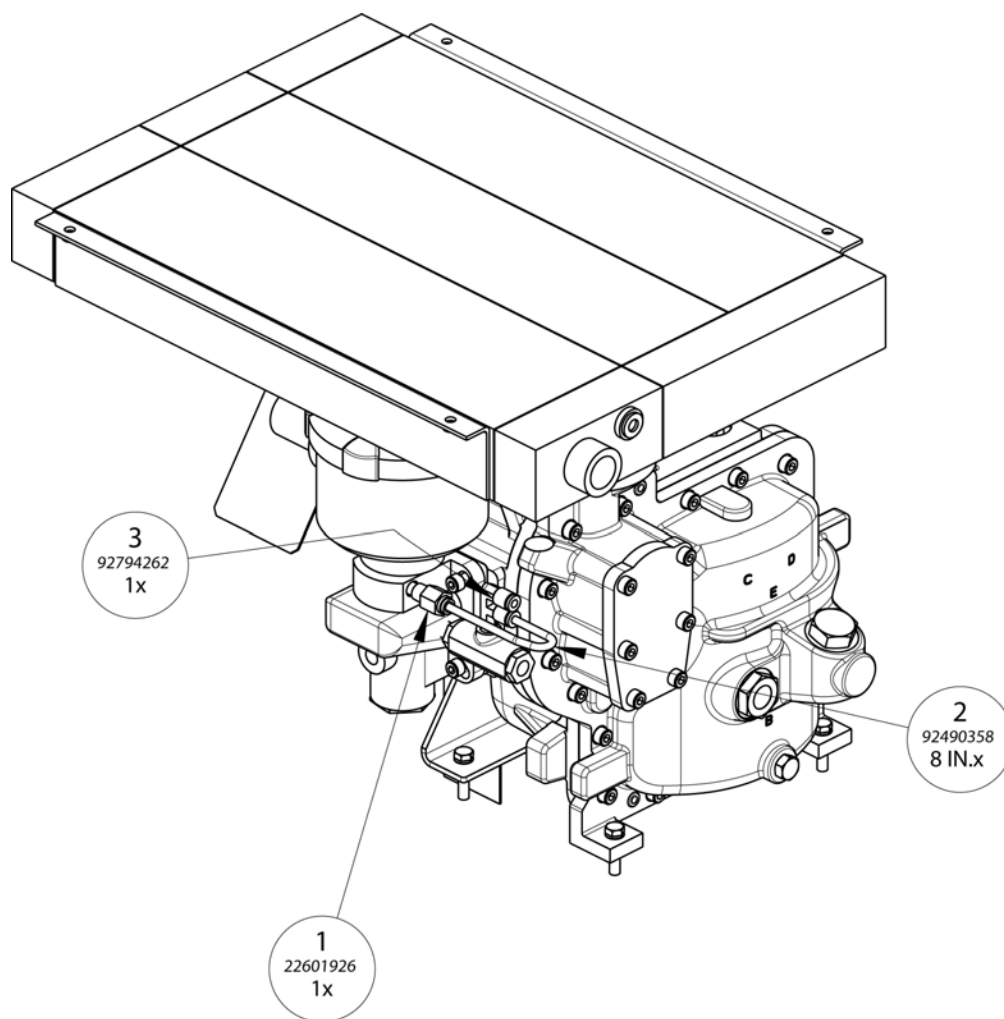
Item	Part No.	Description	Qty.
1	23410798	VALVE, BLOW DOWN 1/4" BSPT	1
2	92354539	NIPPLE, CLOSE 0.25" BSPT x 1.06" LG.	1

NOTE:

ORIENTATION OF BLOWDOWN VALVE TO BE AS FOLLOWS: THE END MARKED "P" IS TO POINT TOWARD THE INLET VALVE; AND THE PORT INTERSECTING THE BLOWDOWN VALVE BODY IS TO BE POINTED STRAIGHT UP.

CONTROLS 3 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Blowdown Valve Vent Tube



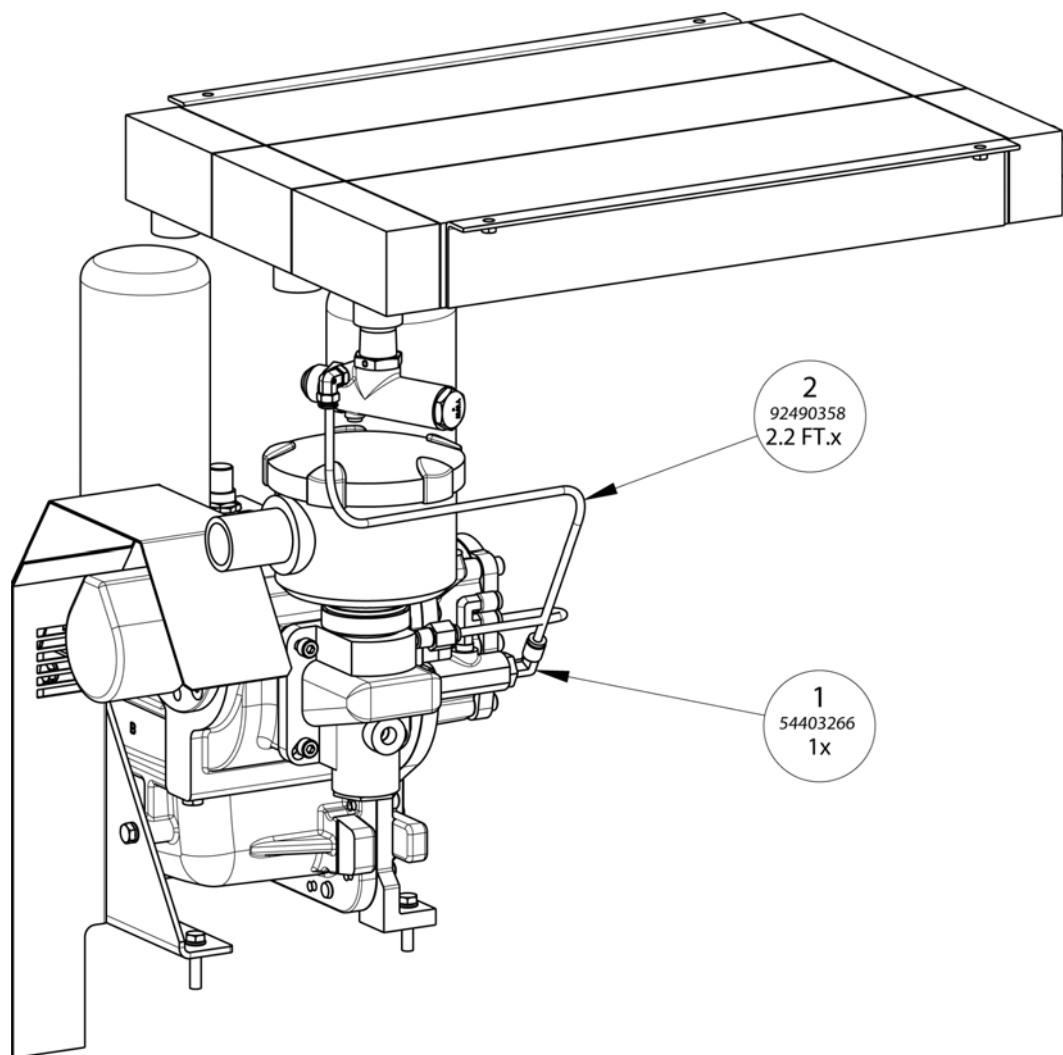
(Dwg. 24009268B6)

PARTS LIST

Item	Part No.	Description	Qty.
1	22601926	CONNECTOR, ORIFICE (W/DIVERTER)	1
2	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	8"
3	92794262	ELBOW, DOUBLE 0.25 BSPT x 6 mm TUBE	1

CONTROLS 3 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble MPCV to Blowdown Valve Tube



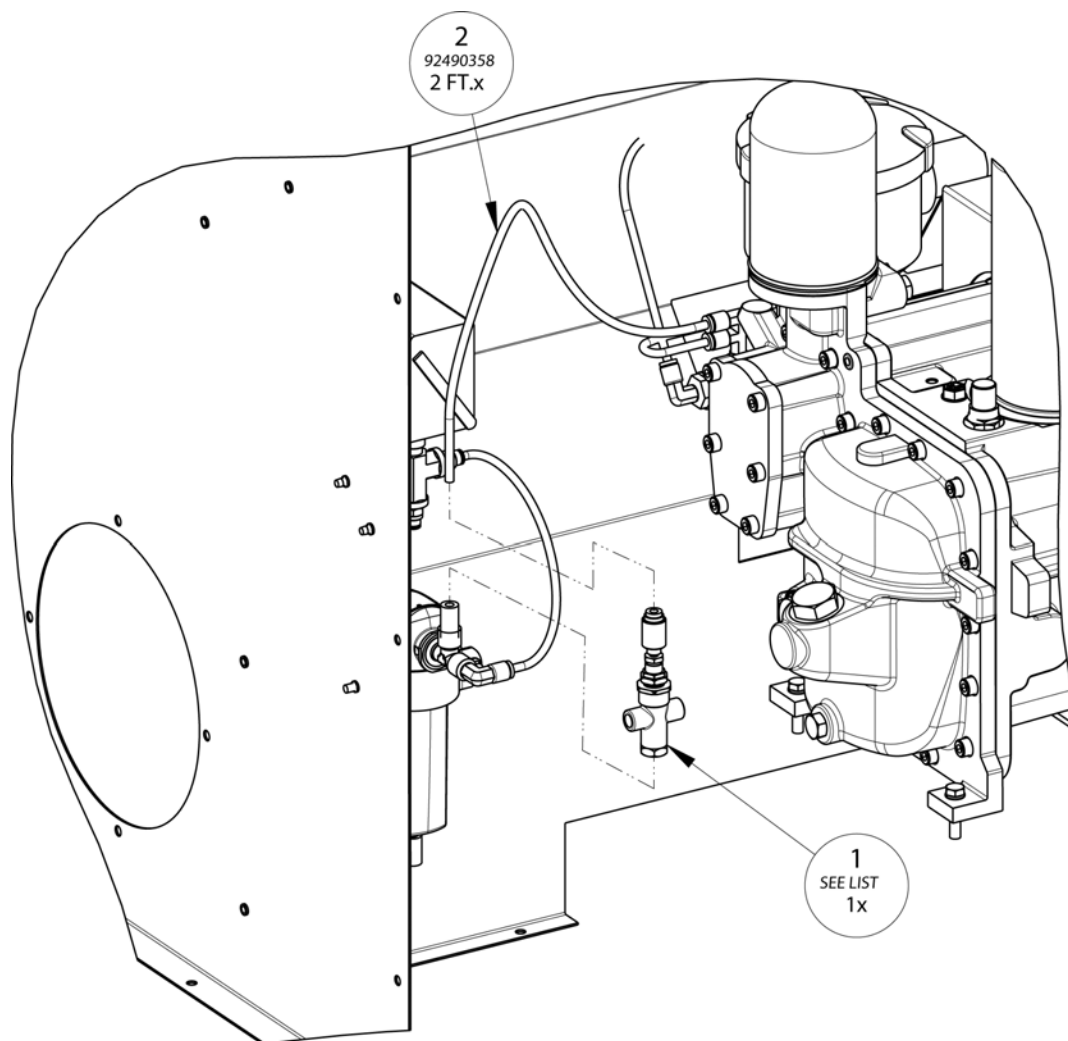
(Dwg. 24009268B7)

PARTS LIST

Item	Part No.	Description	Qty.
1	54403266	ELBOW, 0.25" BSPT x 6 mm TUBE	1
2	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	2.2 FT.

CONTROLS 3 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Pilot Valve and Tubing to Blow Down Valve



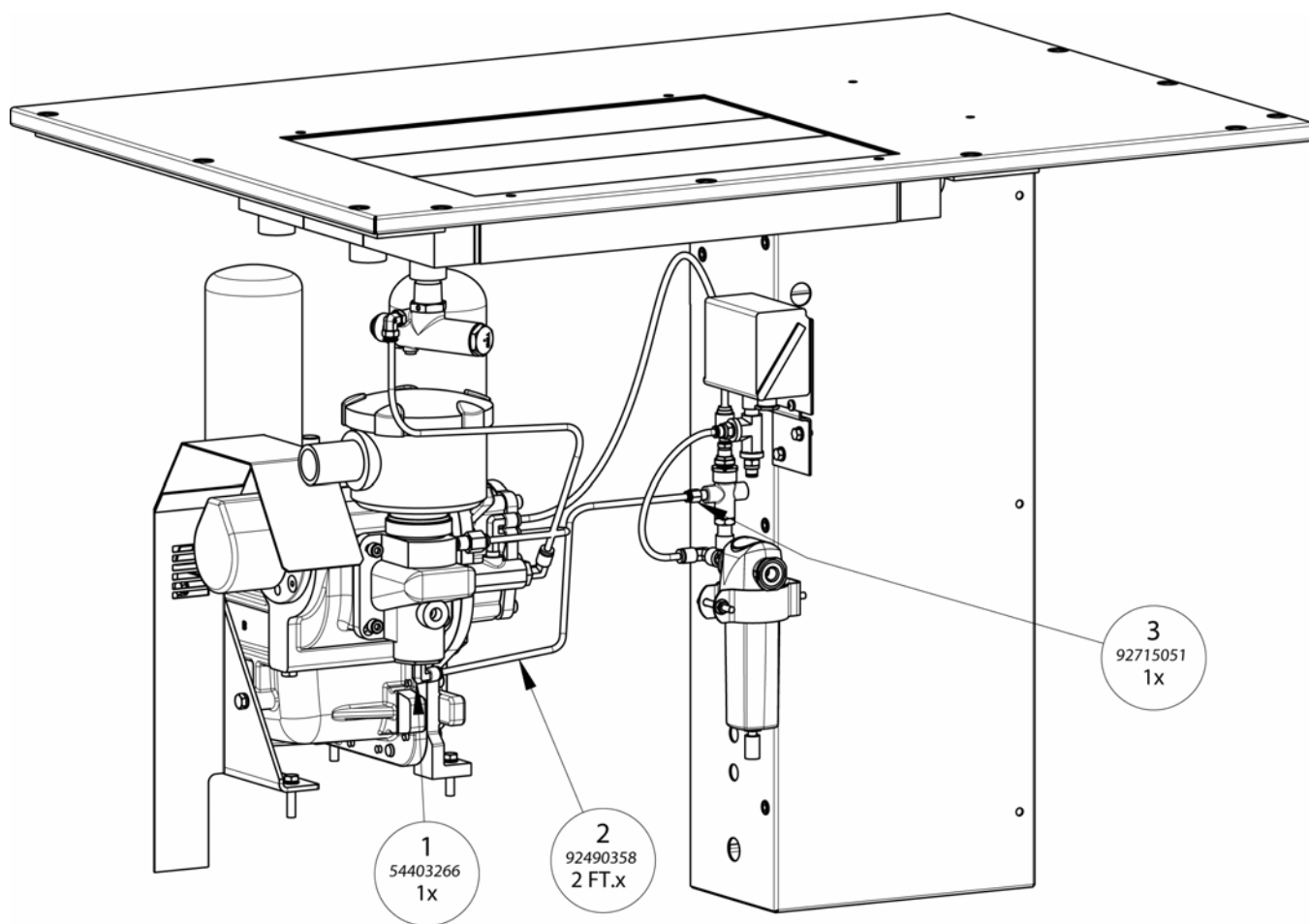
(Dwg. 24009268B8)

PARTS LIST

Item	Part No.	Description	Qty.
1	39266036	VALVE, PILOT 95-110 PSIG W/ 6 mm PTC, 115 PSI (8 BAR)	1
	39266077	VALVE, PILOT 105-120 PSIG W/ 6 mm PTC, 125 PSI	1
	39266044	VALVE, PILOT 125-145 PSIG W/ 6 mm PTC, 150 PSI	1
	39266069	VALVE, PILOT 175-205 PSIG W/ 6 mm PTC, 210 PSI (14.5 BAR)	1
	39266051	VALVE, PILOT 120-140 PSIG W/ 6 mm PTC, 10 BAR	1
2	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	2 FT.

CONTROLS 3 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Pilot Valve and Tubing to Blow Down Valve



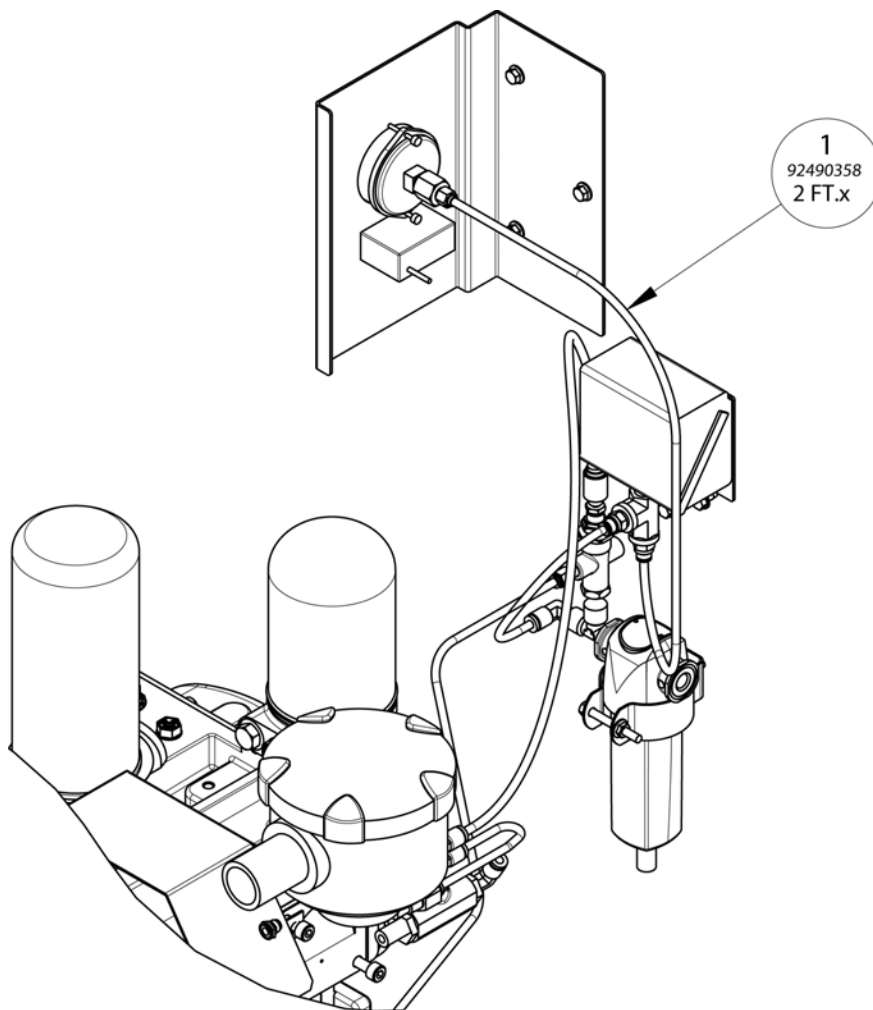
(Dwg. 24009268B9)

PARTS LIST

Item	Part No.	Description	Qty.
1	54403266	ELBOW, 0.25" BSPT x 6 mm TUBE	1
2	92490358	TUBE, NYLON 6 mm O.D.(BLUE)	2 FT.
3	92715051	CONNECTOR, 0.125" BSPT x 6 mm TUBE	1

CONTROLS 3 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Gauge to Pressure Switch Tube



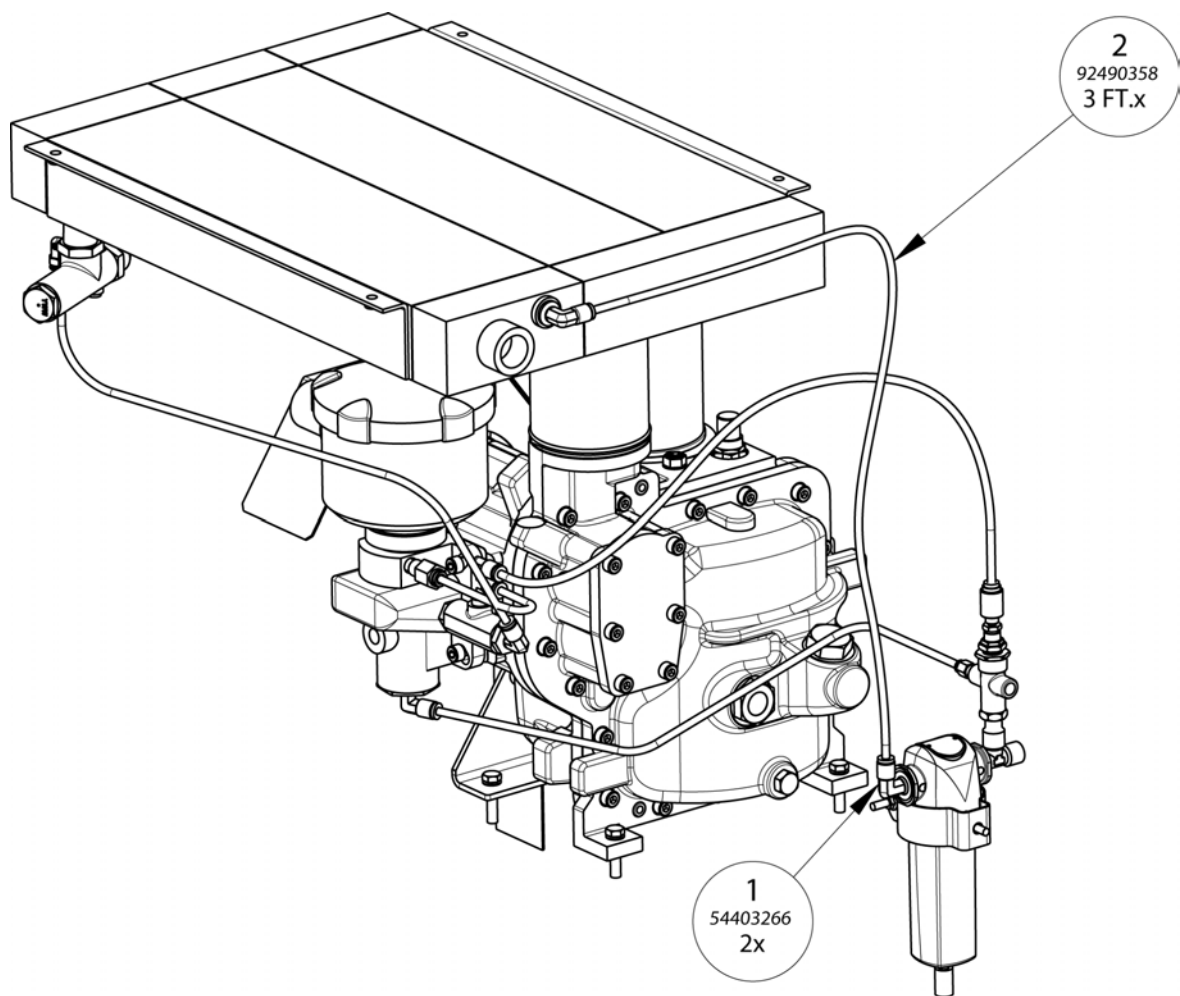
(Dwg. 24009268B10)

PARTS LIST

Item	Part No.	Description	Qty.
1	92490358	TUBE, NYLON 6 mm OD (BLUE)	2 FT.

CONTROLS 3 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble After-cooler to Pressure Switch Tube (Non-SIRC)



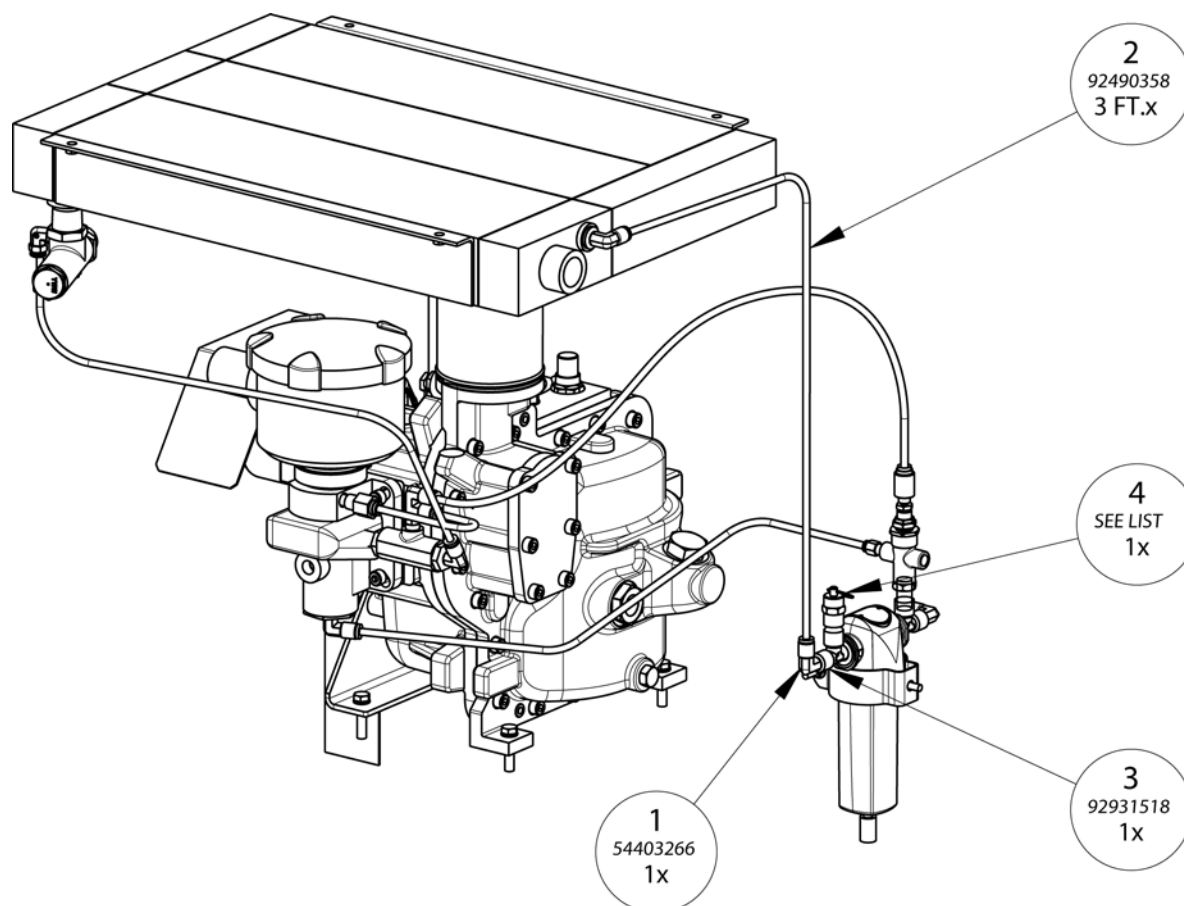
(Dwg. 24009268B11)

PARTS LIST

Item	Part No.	Description	Qty.
1	54403266	ELBOW, 0.25" BSPT x 6 mm TUBE	2.
2	92490358	TUBE, NYLON 6 mm OD (BLUE)	3 FT.

CONTROLS 3 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble After-cooler to Pressure Switch Tube (Non-SIRC)



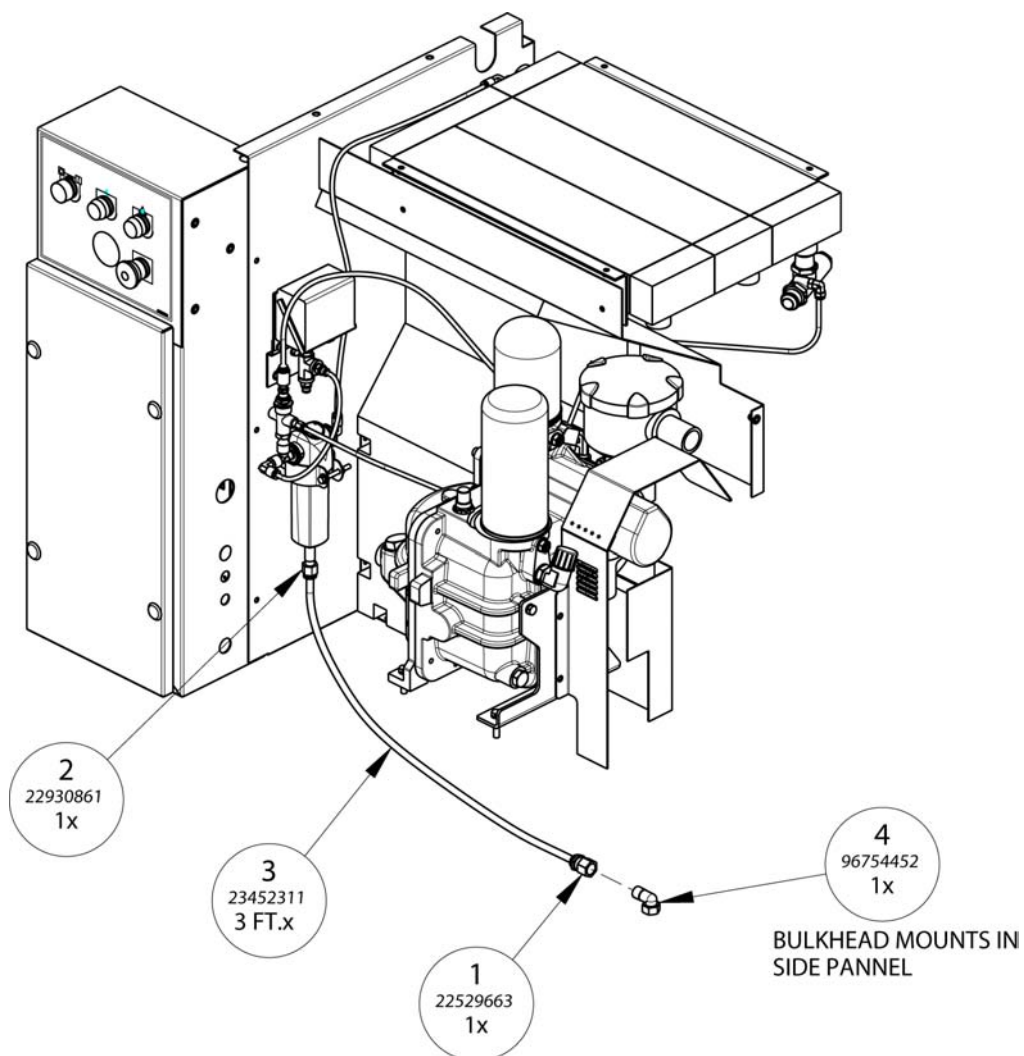
(Dwg. 24009268B12)

PARTS LIST

Item	Part No.	Description	Qty.
1	54403266	ELBOW, 0.25" BSPT x 6 mm TUBE	1
2	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	3 FT.
3	92931518	TEE, MALE RUN 1/4" BSPT	1
4	99332009	VALVE, PRESSURE SAFETY SET PRESSURE 8.9 BAR	1
	22431761	VALVE, PRESSURE SAFETY SET PRESSURE 10 BAR	1
	18990762	VALVE, PRESSURE SAFETY SET PRESSURE 11 BAR	1
	22431779	VALVE, PRESSURE SAFETY SET PRESSURE 12.2 BAR	1
	22431787	VALVE, PRESSURE SAFETY SET PRESSURE 16 BAR	1

CONTROLS 3 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Condensate Drain Line for Control Circuit



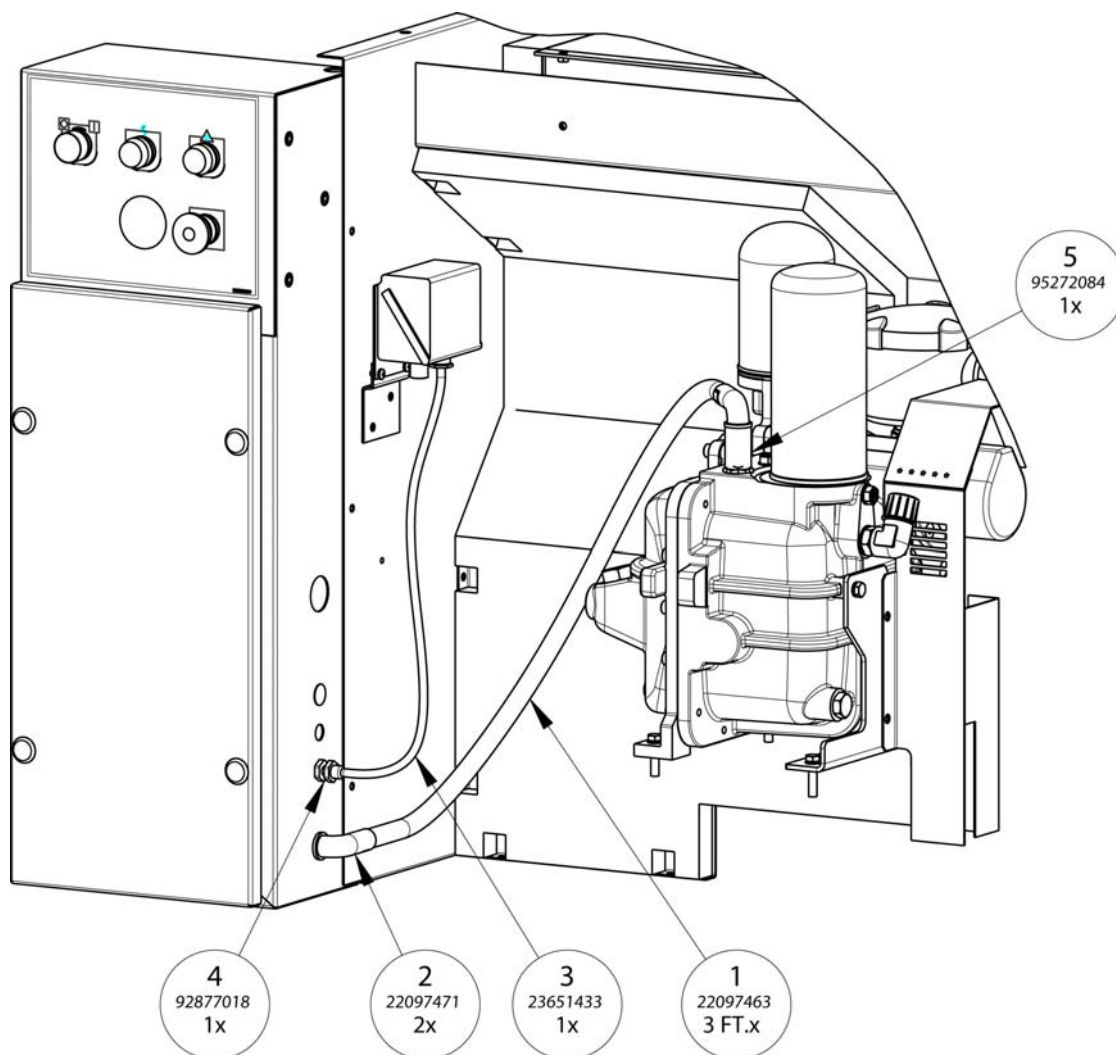
(Dwg. 24009268B13)

PARTS LIST

Item	Part No.	Description	Qty.
1	22529663	UNION, BULKHEAD 3/8" BSPP x 10 mm TUBE, FEMALE	1
2	22930861	CONNECTOR, MALE 1/4" BSPT TO 10 mm TUBE	1
3	23452311	TUBE, NYLON 10 mm O.D. (BLUE)	3 FT.
4	96754452	ELBOW, BSPT TO BSPP 0.38 MBSPT x 0.38 FBSPP	1

CONTROLS 3 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Pressure Switch Cable and Conduit for High Air Temp. Switch



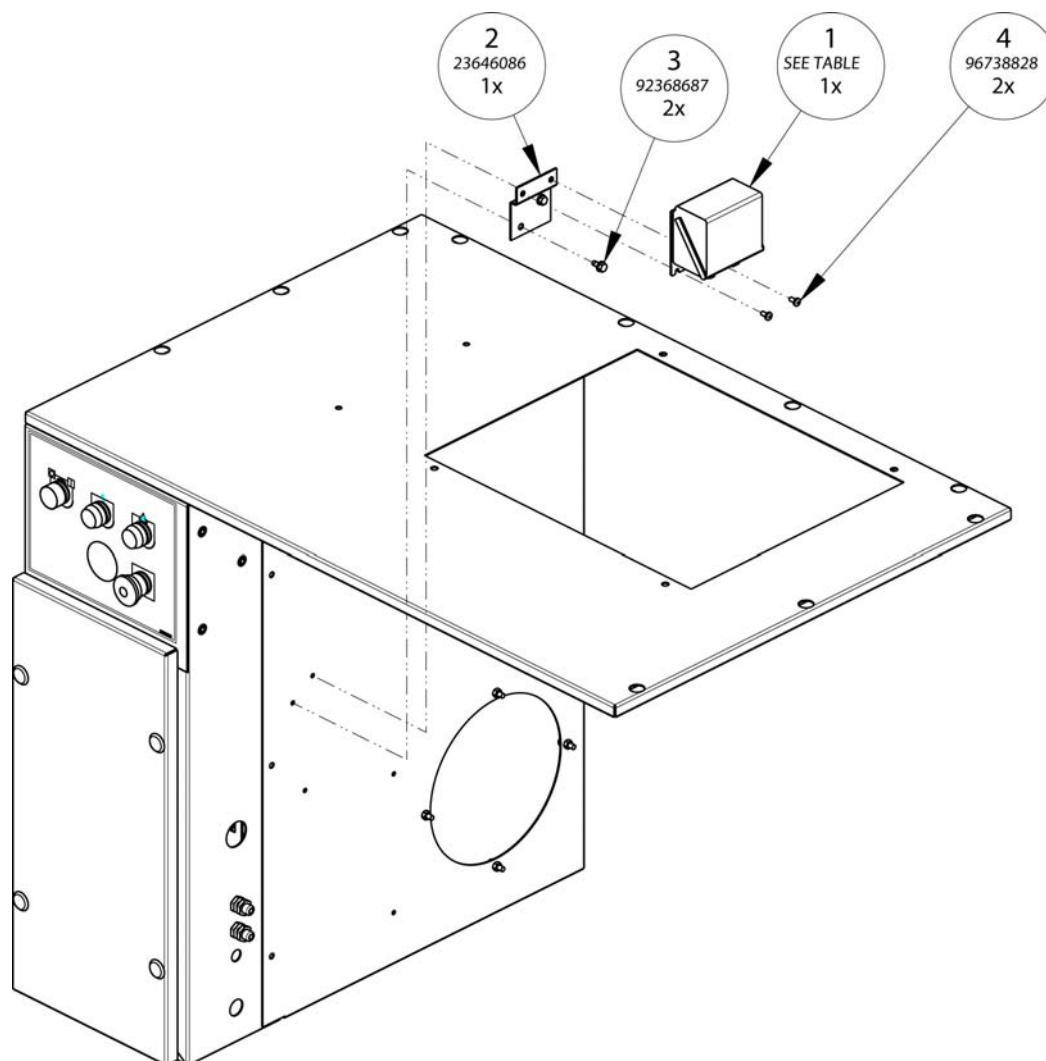
(Dwg. 24009268B14)

PARTS LIST

Item	Part No.	Description	Qty.
1	22097463	CONDUIT, 0.375" HEAVY	3 FT.
2	22097471	ELBOW, 90 DEGREE CONDUIT (0.50" NPT x 0.375 CONDUIT)	2
3	23651433	ASSEMBLY, PRESSURE SWITCH CABLE	1
4	92877018	GLAND, CABLE (LIQUID TIGHT FITTING)	1
5	95272084	COUPLING, CONDUIT 0.50	1

CONTROLS 1 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Pressure Switch to Blower Inlet Panel



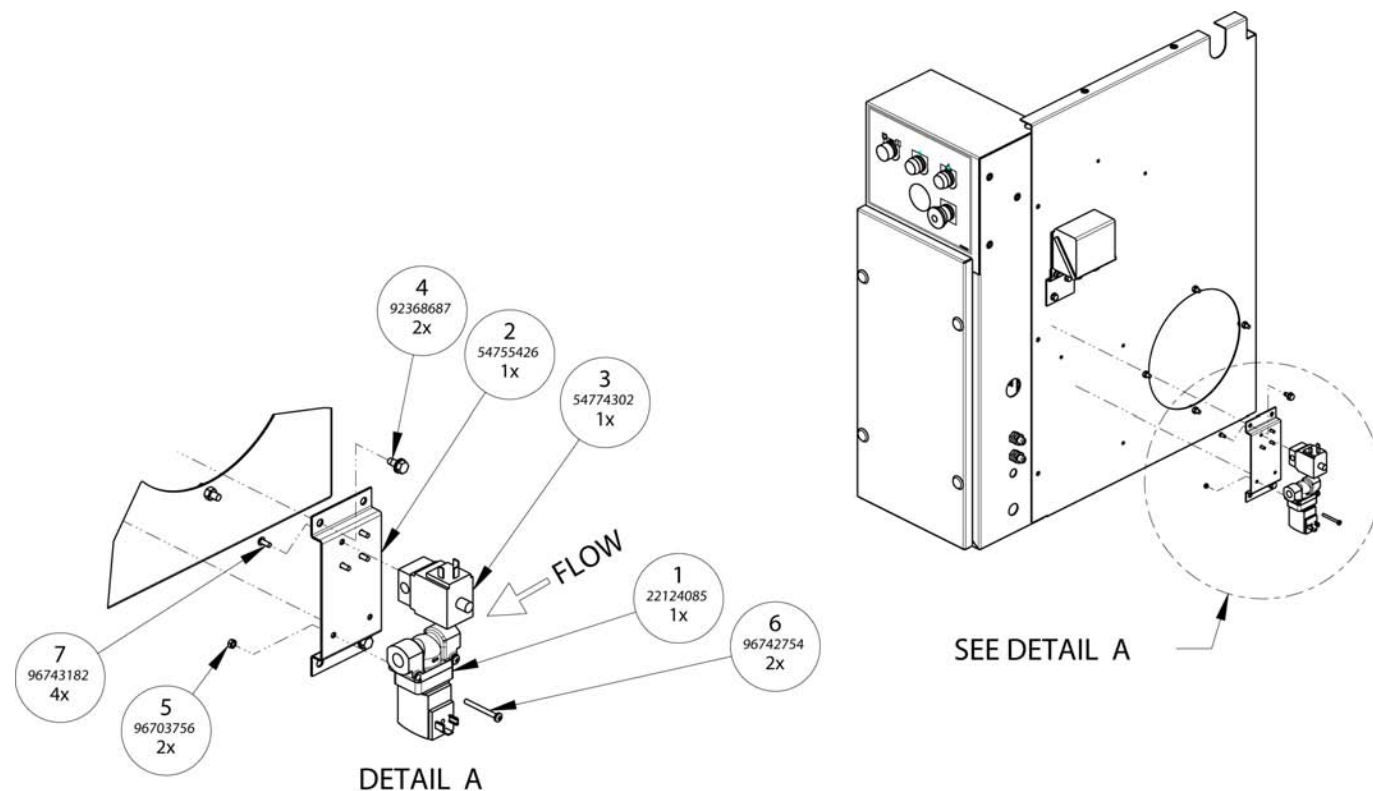
(Dwg. 24009276A2)

PARTS LIST

Item	Part No.	Description	Qty.
1	23621600	SWITCH, PRESSURE 100-115psi	1
	23621634	SWITCH, PRESSURE 110-125psi	1
	23621618	SWITCH, PRESSURE 130-150psi	1
	23621626	SWITCH, PRESSURE 180-210psi	1
	23621592	SWITCH, PRESSURE 125-145 psig	1
2	23646086	BRACKET, PRESSURE SWITCH	1
3	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2
4	96738828	SCREW, MACHINE PAN HEAD TYPE H M5 x 10.0 LONG	2

CONTROLS 1 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Solenoid Valve, Blowdown Valve and Blowdown Bracket



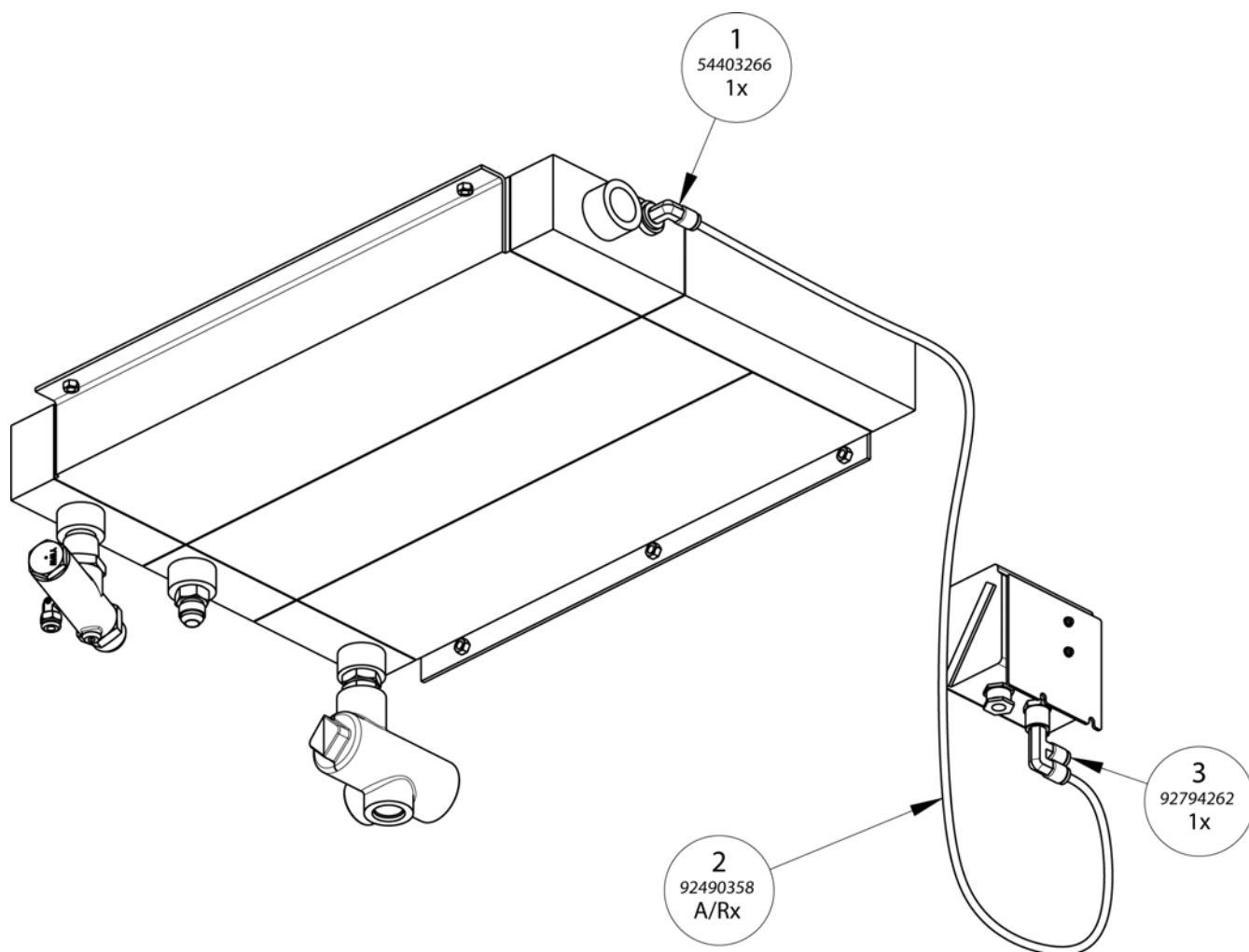
(Dwg. 24009276A3)

PARTS LIST

Item	Part No.	Description	Qty.
1	22124085	VALVE, SOLENOID - 1/4" NPT BLOWDOWN	1
2	54755426	BRACKET, SOLENOID/BLOWDOWN VALVE	1
3	54774302	VALVE, SOLENOID 0.125" NPT, 110 V 50/60 Hz	1
4	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2
5	96703756	NUT, HEX STYLE 1 COARSE THD M4-.7	2
6	96742754	SCREW, MACHINE PAN HEAD TYPE H M4 x 40.0 LONG	2
7	96743182	SCREW, HEX SOCKET BUTTON HEAD M4 x 10.00 LONG	4

CONTROLS 1 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Nylon Tube - After-cooler to Pressure Switch



(Dwg. 24009276A4)

PARTS LIST

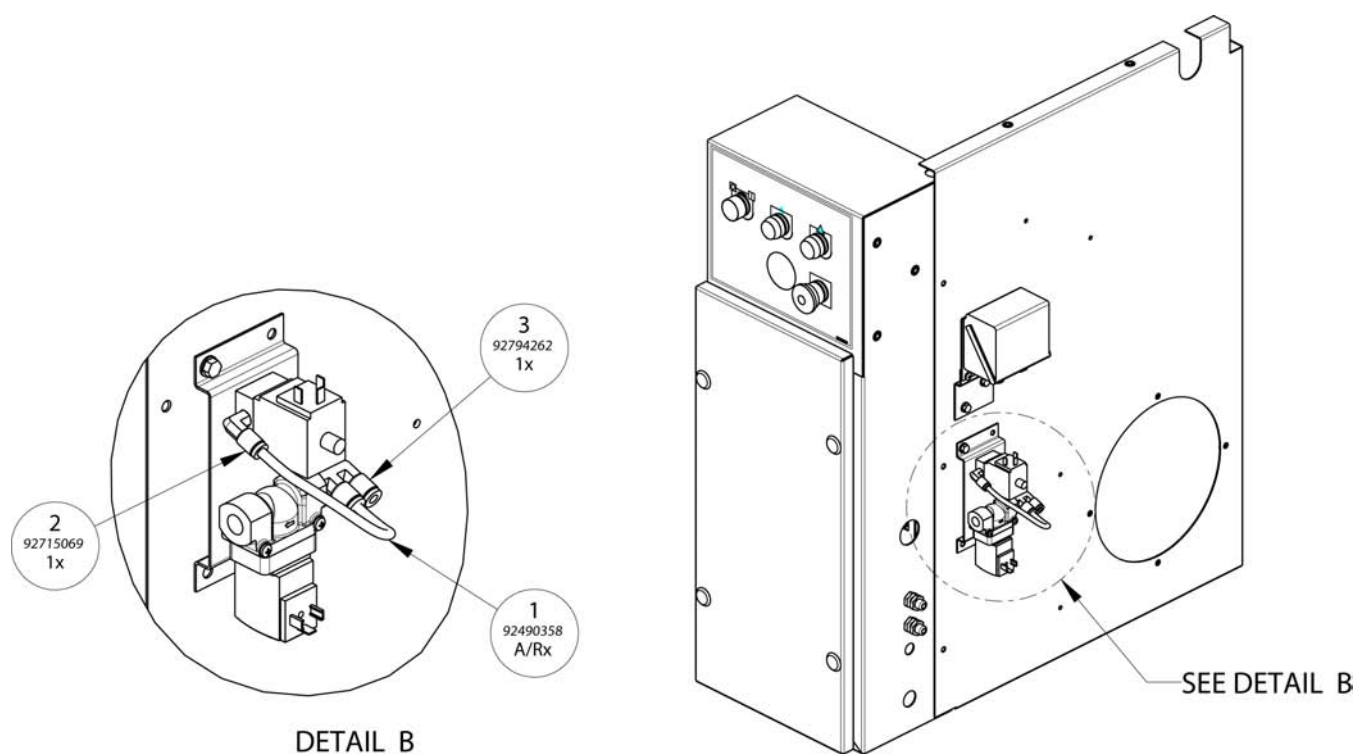
Item	Part No.	Description	Qty.
1	54403266	ELBOW, 0.25" BSPT x 6 mm TUBE	1
2	92490358	TUBE, NYLON 6 mm O/D BLUE	1
3	92794262	ELBOW, DOUBLE 0.25 BSPT x 6 mm TUBE	1

NOTE:

ITS IS INTENDED THAT THIS LINE CREATES A "P" TRAP TO PREVENT ANY MOISTURE FROM GETTING TO THE PRESSURE SWITCH - DO NOT JOIN A SHORT / DIRECT ROUTE.

CONTROLS 1 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Nylon Tube - Load Solenoid to Blowdown Solenoid



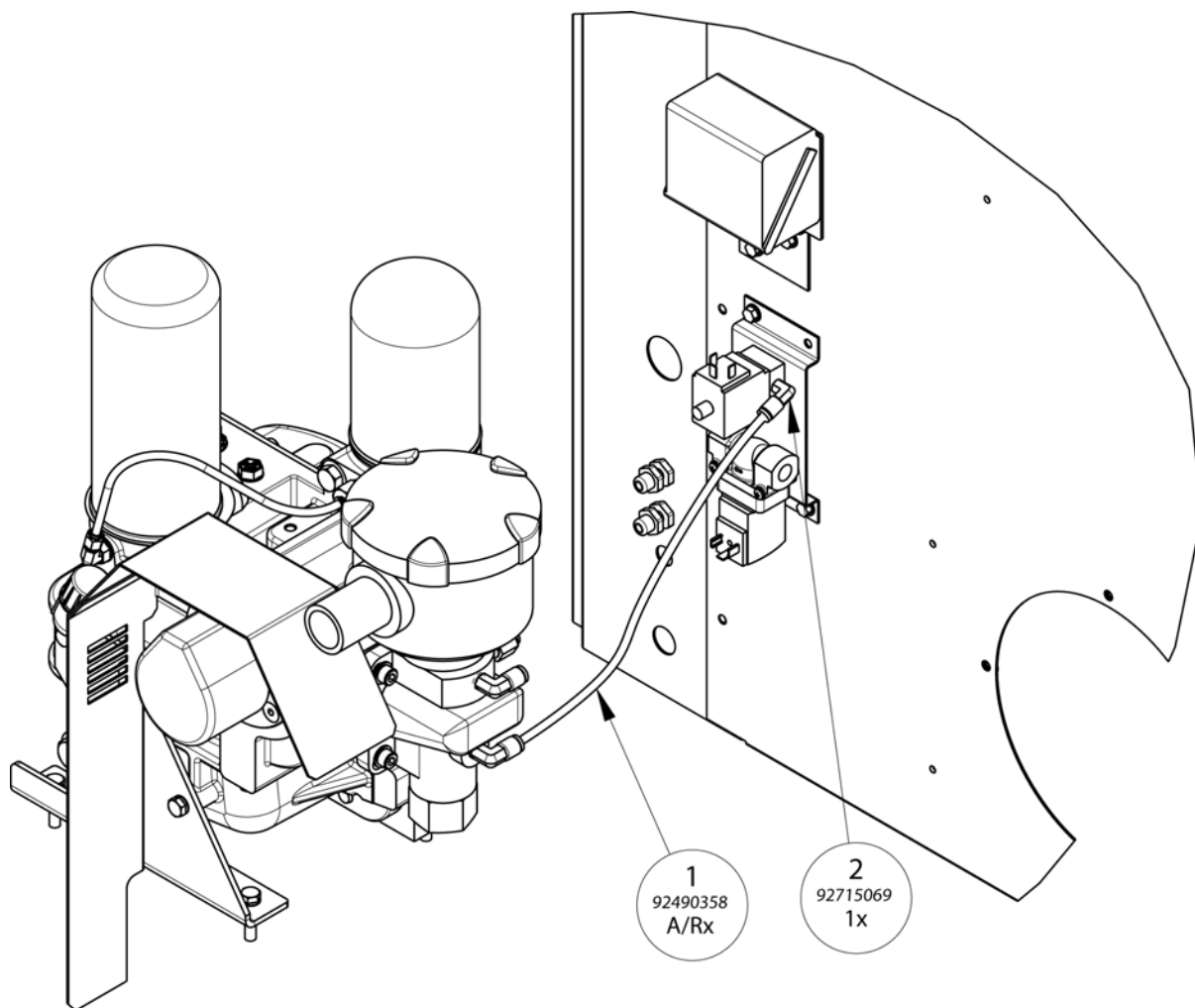
(Dwg. 24009276A5)

PARTS LIST

Item	Part No.	Description	Qty.
1	92490358	ELBOW, 0.25" BSPT x 6 mm TUBE	A/R
2	92715069	TUBE, NYLON 6 mm O/D BLUE	1
3	92794262	ELBOW, DOUBLE 0.25 BSPT x 6 mm TUBE	1

CONTROLS 1 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Nylon Tube - Load Solenoid to Inlet Valve



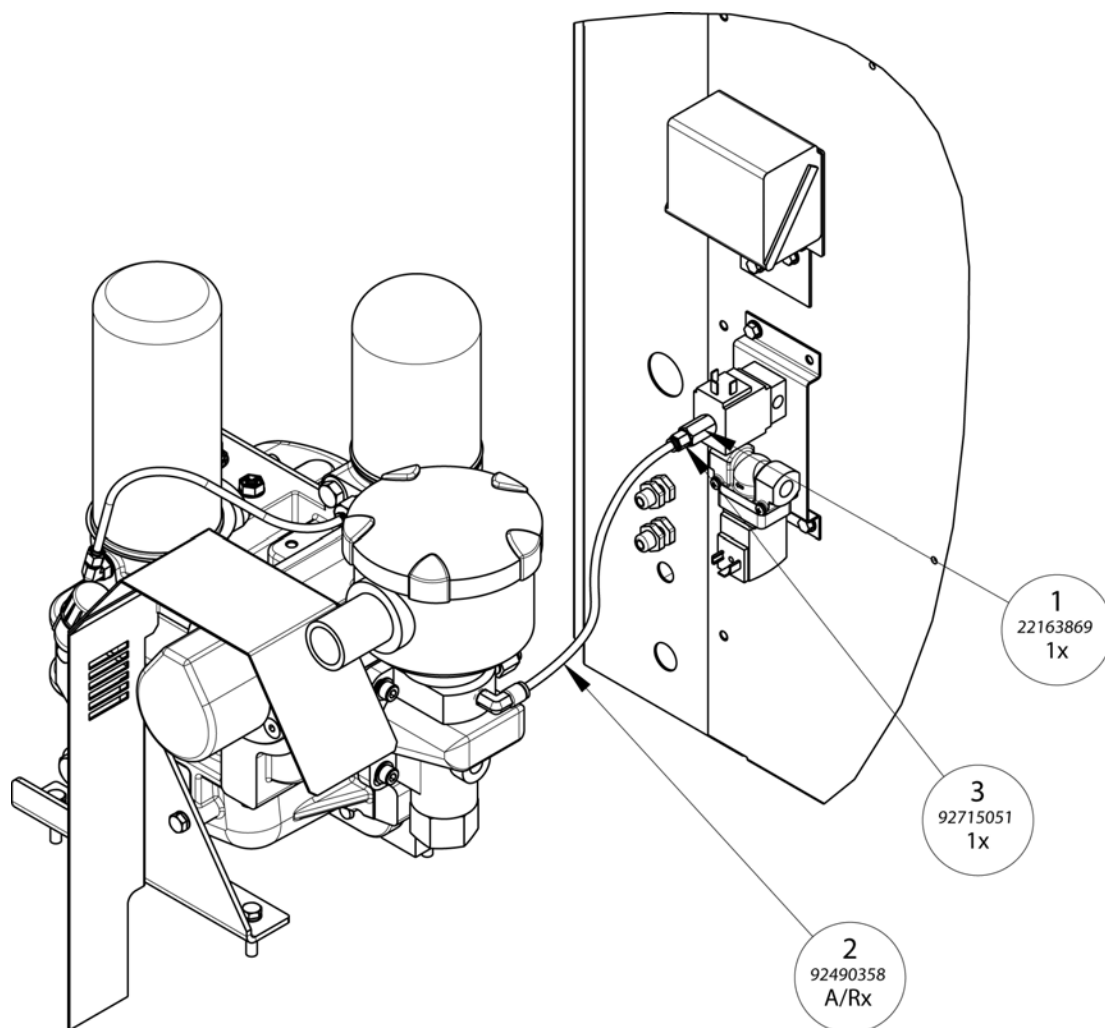
(Dwg. 24009276A6)

PARTS LIST

Item	Part No.	Description	Qty.
1	92490358	TUBE, NYLON 6 mm O/D BLUE	A/R
2	92715069	ELBOW, 0.13 NPT x 0.25 TUBE	1

CONTROLS 1 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Nylon Tube - Load Solenoid Vent to Inlet Valve



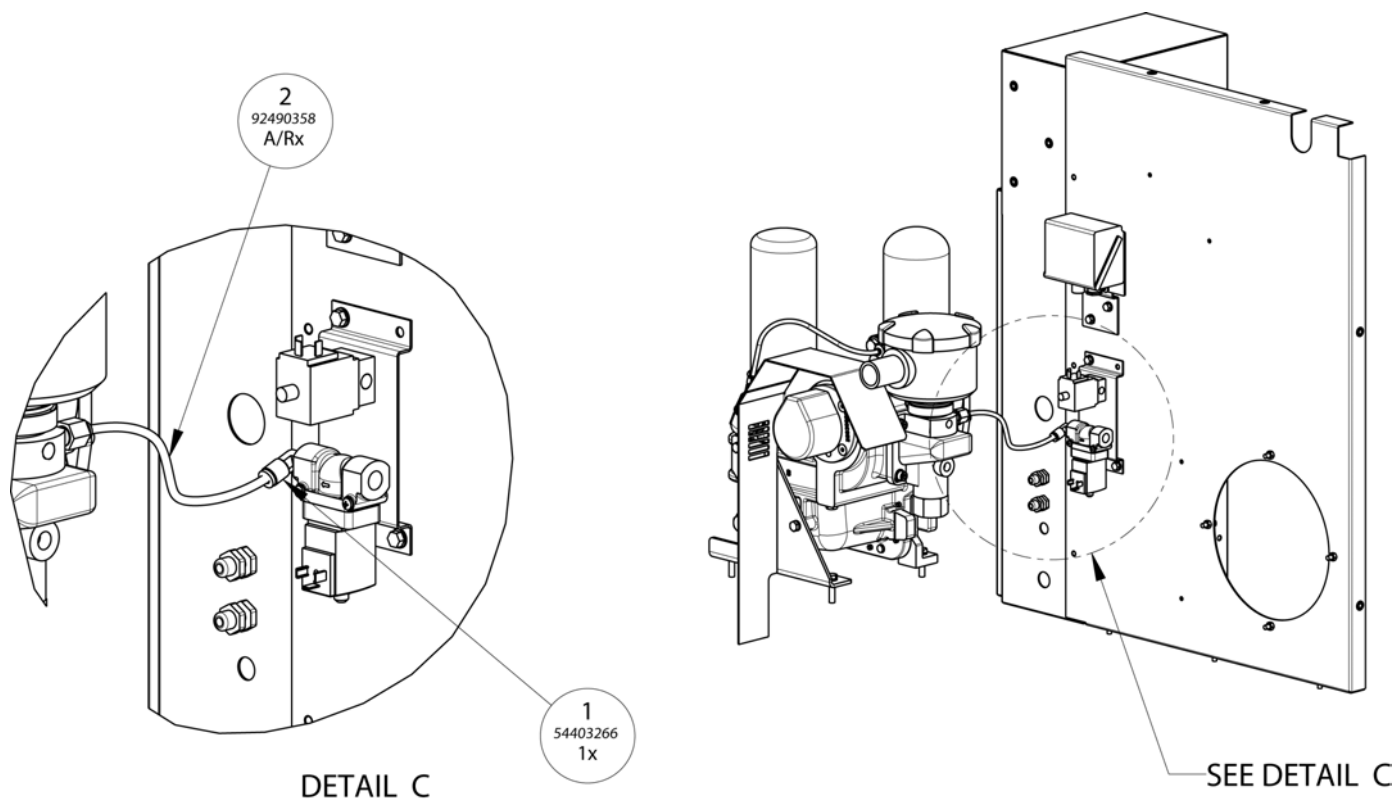
(Dwg. 24009276A7)

PARTS LIST

Item	Part No.	Description	Qty.
1	22163869	ADAPTOR, CONVERSION (0.125" BSPP x 0.125" NPT)	1
2	92490358	TUBE, NYLON 6 mm O/D BLUE	A/R
3	92715051	CONNECTOR, 0.125" BSPT x 6 mm TUBE	1

CONTROLS 1 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Nylon Tube - Blowdown Solenoid to Inlet Valve Diffuser



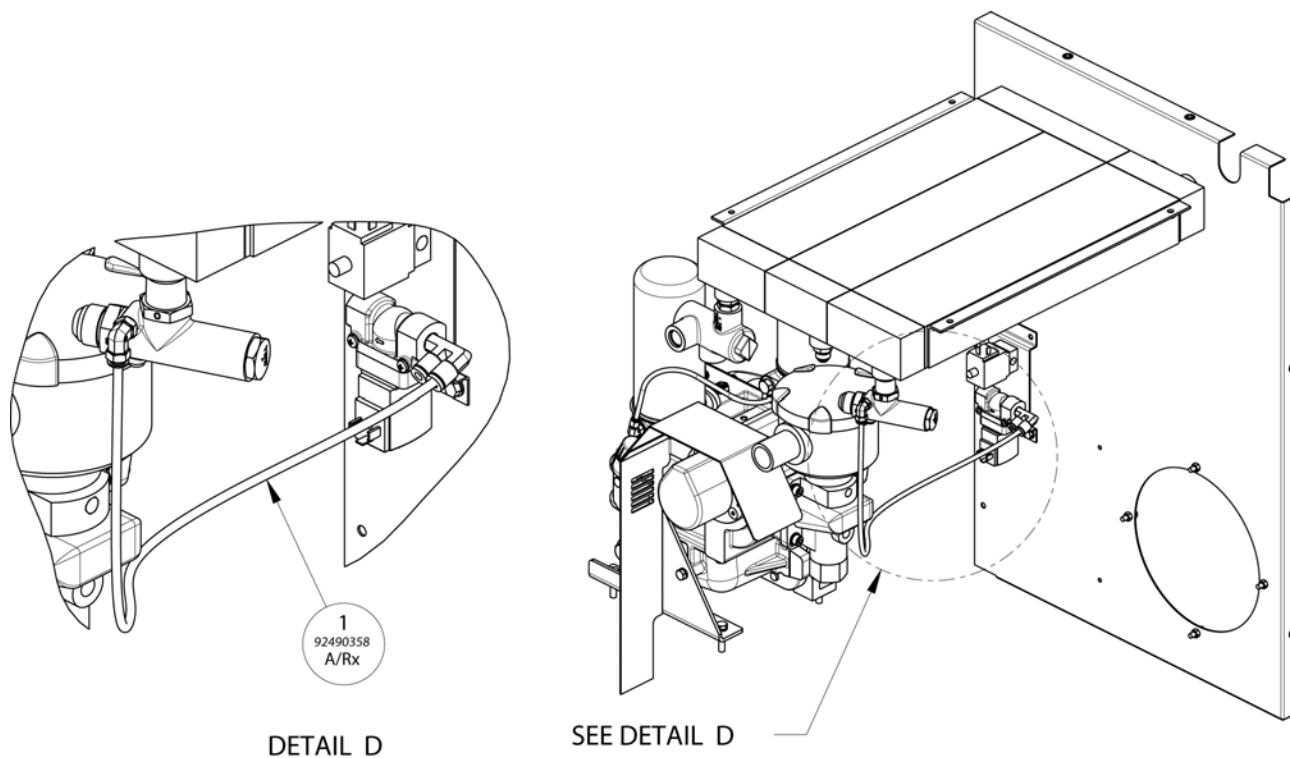
(Dwg. 24009276A8)

PARTS LIST

Item	Part No.	Description	Qty.
1	54403266	ELBOW, 0.25 " BSPT x 6 mm TUBE	1
2	92490358	TUBE, NYLON 6 mm O/D BLUE	A/R

CONTROLS 1 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

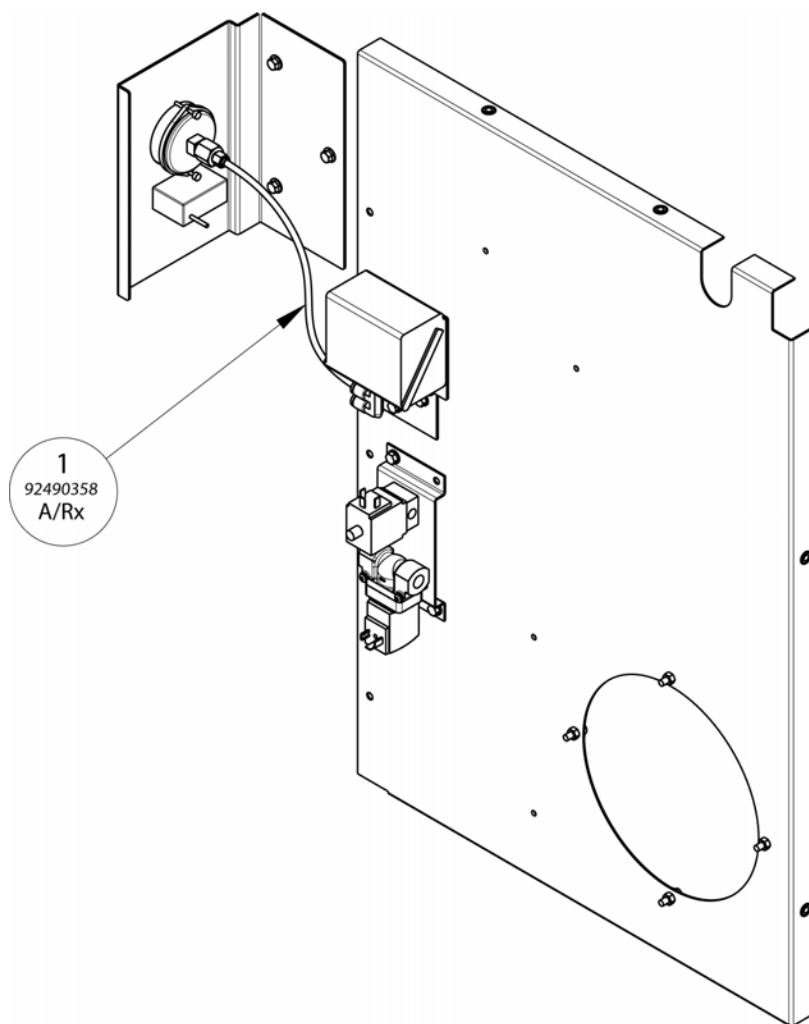
Assemble Nylon Tube - MPCV to Blowdown Solenoid



(Dwg. 24009276A9)

PARTS LIST

Item	Part No.	Description	Qty.
1	92490358	TUBE, NYLON 6 mm O/D BLUE	A/R

CONTROLS 1 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST**Assemble Nylon Tube - Pressure Switch to Gauge**

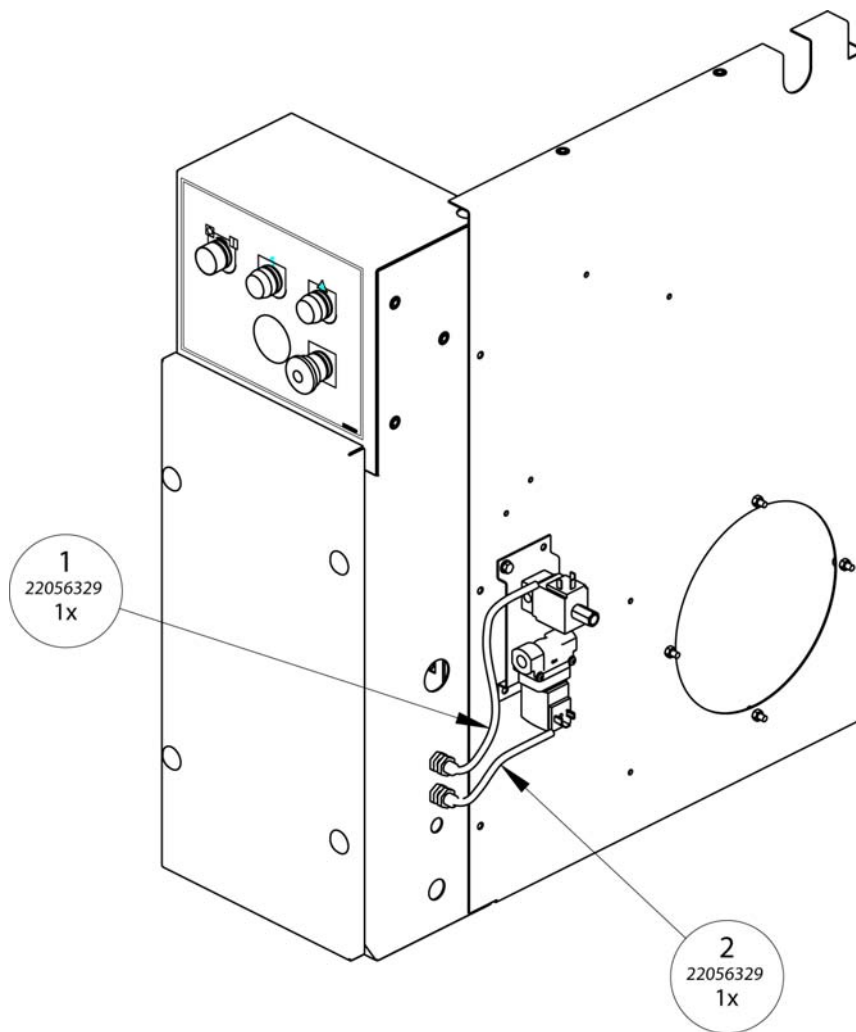
(Dwg. 24009276A10)

PARTS LIST

Item	Part No.	Description	Qty.
1	92490358	TUBE, NYLON 6 mm O/D BLUE	A/R

CONTROLS 1 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Solenoid and Blowdown Cable to Starter Box



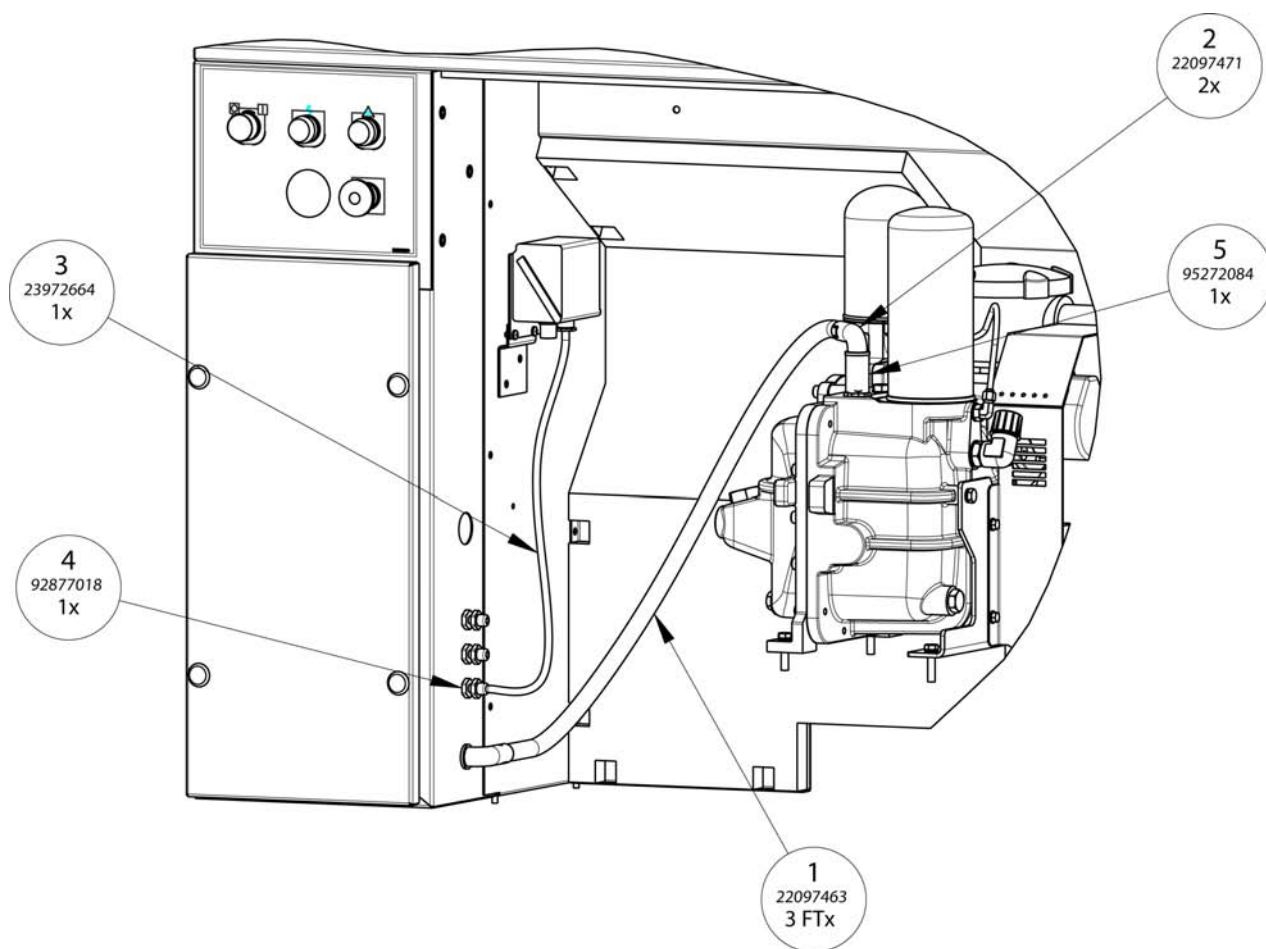
(Dwg. 24009276A11)

PARTS LIST

Item	Part No.	Description	Qty.
1	22056329	ASSEMBLY, CABLE (SOLENOID VALVE)	1
2	22056329	ASSEMBLY, CABLE BLOWDOWN	1

CONTROLS 1 PHASE (UP SERIES) ASSEMBLY DRAWING AND PARTS LIST

Assemble Pressure Switch Cable and Conduit for High Air Temp. Switch



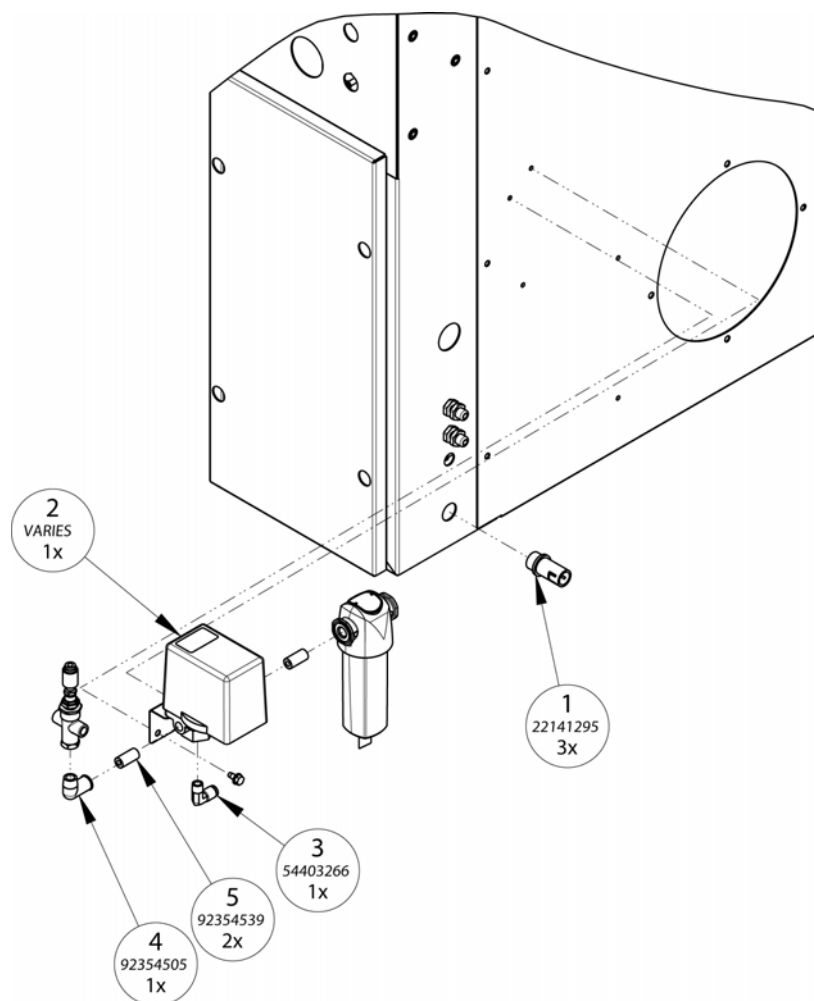
(Dwg. 24009276A12)

PARTS LIST

Item	Part No.	Description	Qty.
1	22097463	CONDUIT, 0.375" HEAVY	3 FT
2	22097471	ELBOW, 90 DEGREE CONDUIT (0.50" NPT x 0.375 CONDUIT)	2
3	23972664	ASSEMBLY, PRESSURE SWITCH CABLE	1
4	92877018	GLAND, CABLE (LIQUID TIGHT FITTING)	1
5	95272084	COUPLING, CONDUIT 0.50	1

SINGLE PHASE CONTROLS RETRO-FIT KIT ASSEMBLY DRAWING AND PARTS LIST

Disassemble Pressure Switch, Filter and Pilot Valve (Older Version)



(Dwg. 24009284A2)

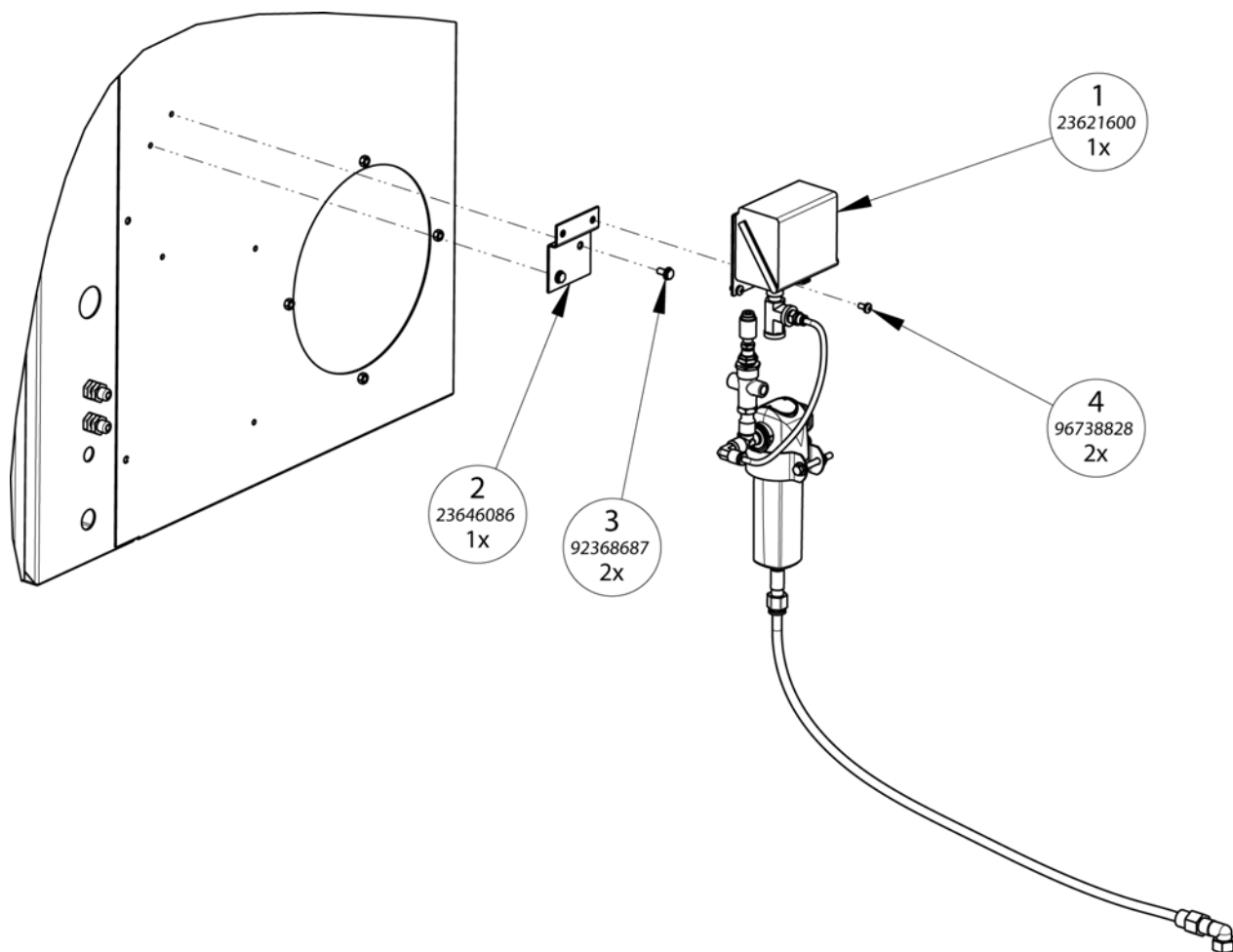
PARTS LIST

Item	Part No.	Description	Qty.
1	22141295	CONNECTOR, CONDUIT (0.50" NPT x 0.375 CONDUIT)	3
2	VARIES	SWITCH, PRESSURE	1
3	54403266	ELBOW, 0.25" BSPT x 6 mm TUBE	1
4	92354505	ELBOW, 90° 1/4" BSPT-BSPT MALE/FEMALE	1
5	92354539	NIPPLE, CLOSE 0.25" BSPT x 1.06" LG.	2

DISASSEMBLE WIRING AND CONDUIT FROM THE PRESSURE SWITCH, AND REMOVE THE COMPONENTS AS SHOWN.

SINGLE PHASE CONTROLS RETRO-FIT KIT ASSEMBLY DRAWING AND PARTS LIST

Disassemble Pressure Switch and Bracket.



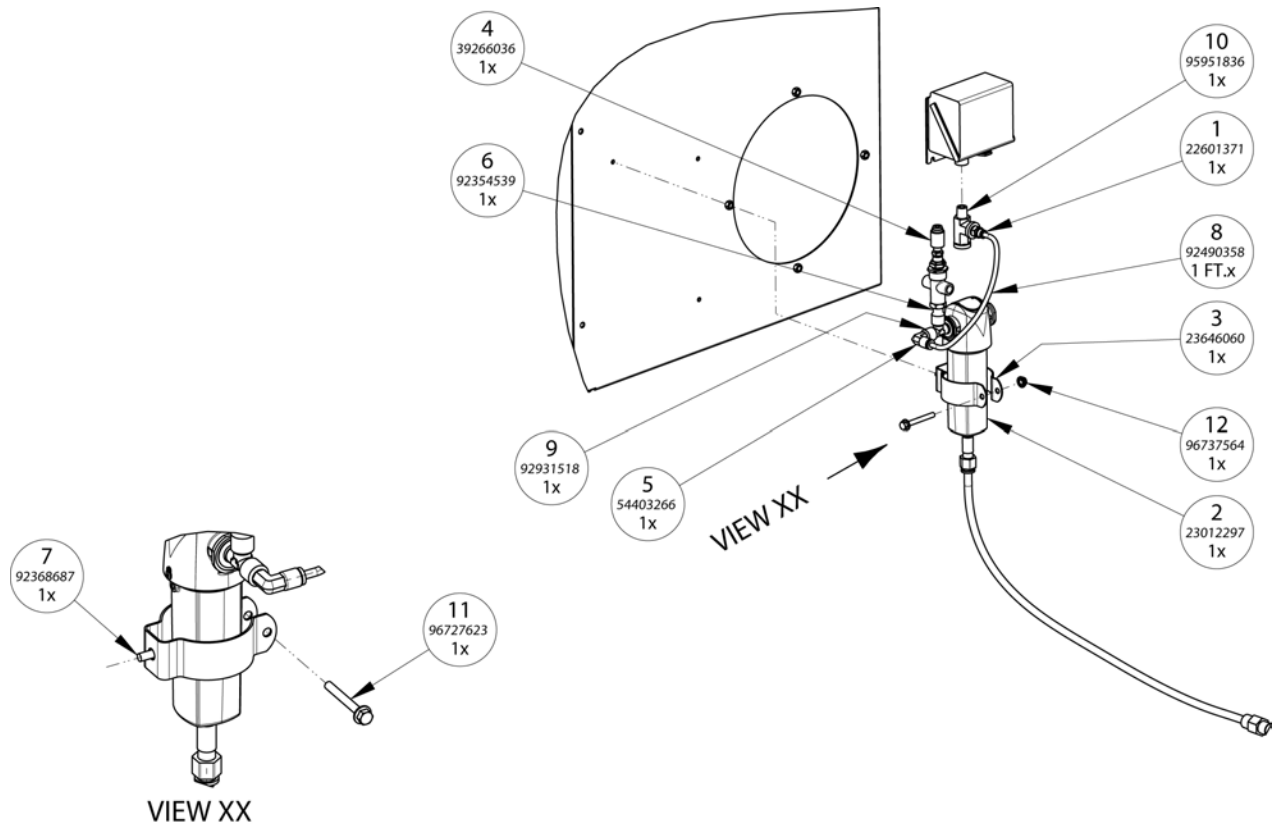
(Dwg. 24009284A3)

PARTS LIST

Item	Part No.	Description	Qty.
1	23621600	SWITCH, PRESSURE 100-115 psi	1
2	23646086	BRACKET, PRESSURE SWITCH	1
3	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2
4	96738828	SCREW, MACHINE PAN HEAD TYPE H M5 x 10.0 LONG	2

SINGLE PHASE CONTROLS RETRO-FIT KIT ASSEMBLY DRAWING AND PARTS LIST

Disassemble Filter, Bracket, Pilot Valve, Drain Line, Cable from Pressure Switch.



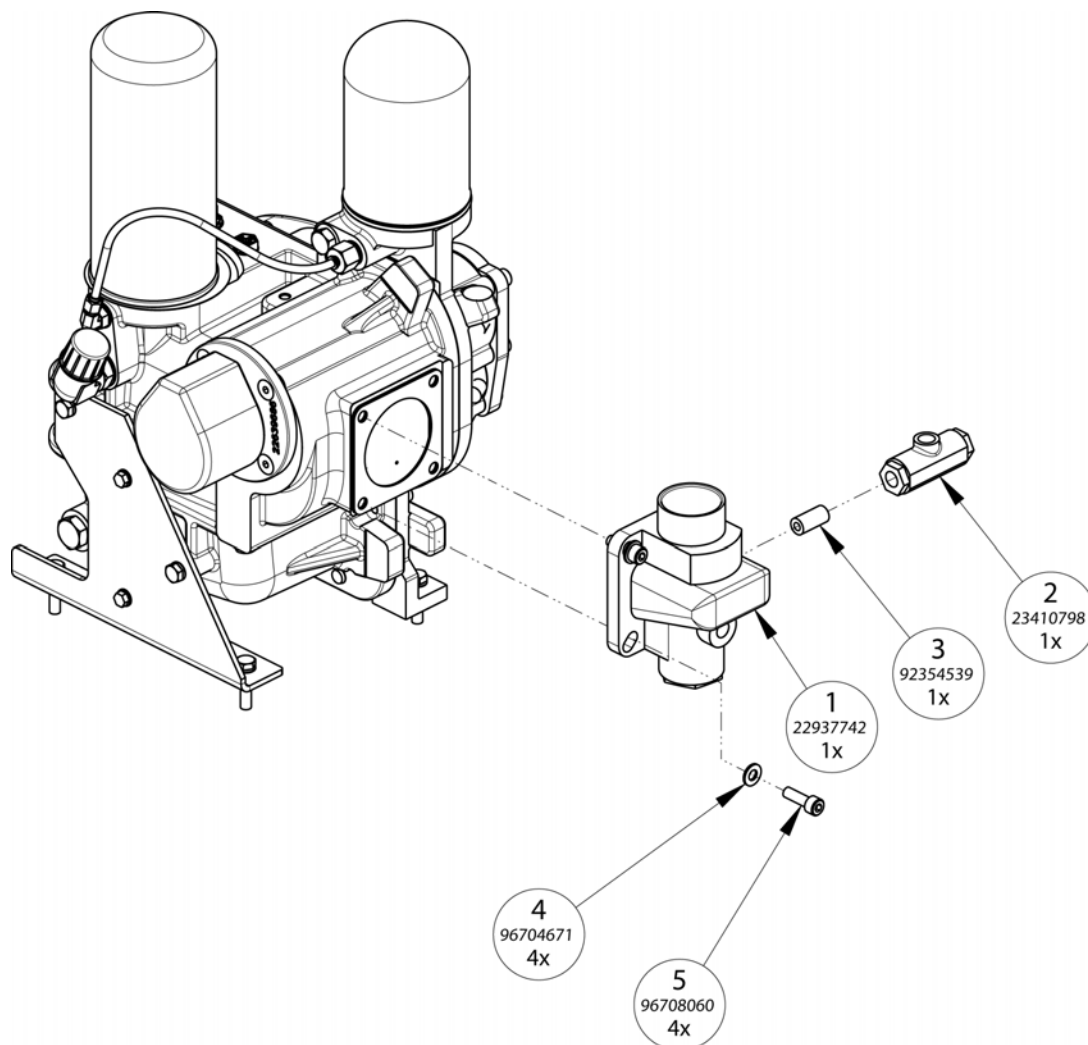
(Dwg. 24009284A4)

PARTS LIST

Item	Part No.	Description	Qty.
1	22601371	CONNECTOR, MALE 0.25" NPT x 6 mm TUBE	1
2	23012297	FILTER, CONTROL AIR 1/4"	1
3	23646060	BSPT W/ FLOAT DRAIN HANGER, CONDUIT / PIPE 2"	1
4	39266036	VALVE, PILOT 95-110 PSIG W/ 6 mm PTC	1
5	54403266	ELBOW, 0.25" BSPT x 6 mm TUBE	1
6	92354539	NIPPLE, CLOSE 0.25" BSPT x 1.06" LG.	1
7	92368687	TAPTITE SCREW M6 x 1 x 12 LG	1
8	92490358	TUBE, NYLON 6 mm OD (BLUE)	1 FT.
9	92931518	TEE, MALE RUN 1/4" BSPT	1
10	95951836	TEE, MALE RUN 0.25 FNPT x 0.25 FNPT x 0.25 NPT	1
11	96727623	BOLT, HEX FLANGE M6-1.00 x 50.0 LONG	1
12	96737564	NUT, HEX FLANGE LOCK SERRATED M6-1.00	1

SINGLE PHASE CONTROLS RETRO-FIT KIT ASSEMBLY DRAWING AND PARTS LIST

Disassemble Inlet Valve and Blowdown Valve (Older Version)



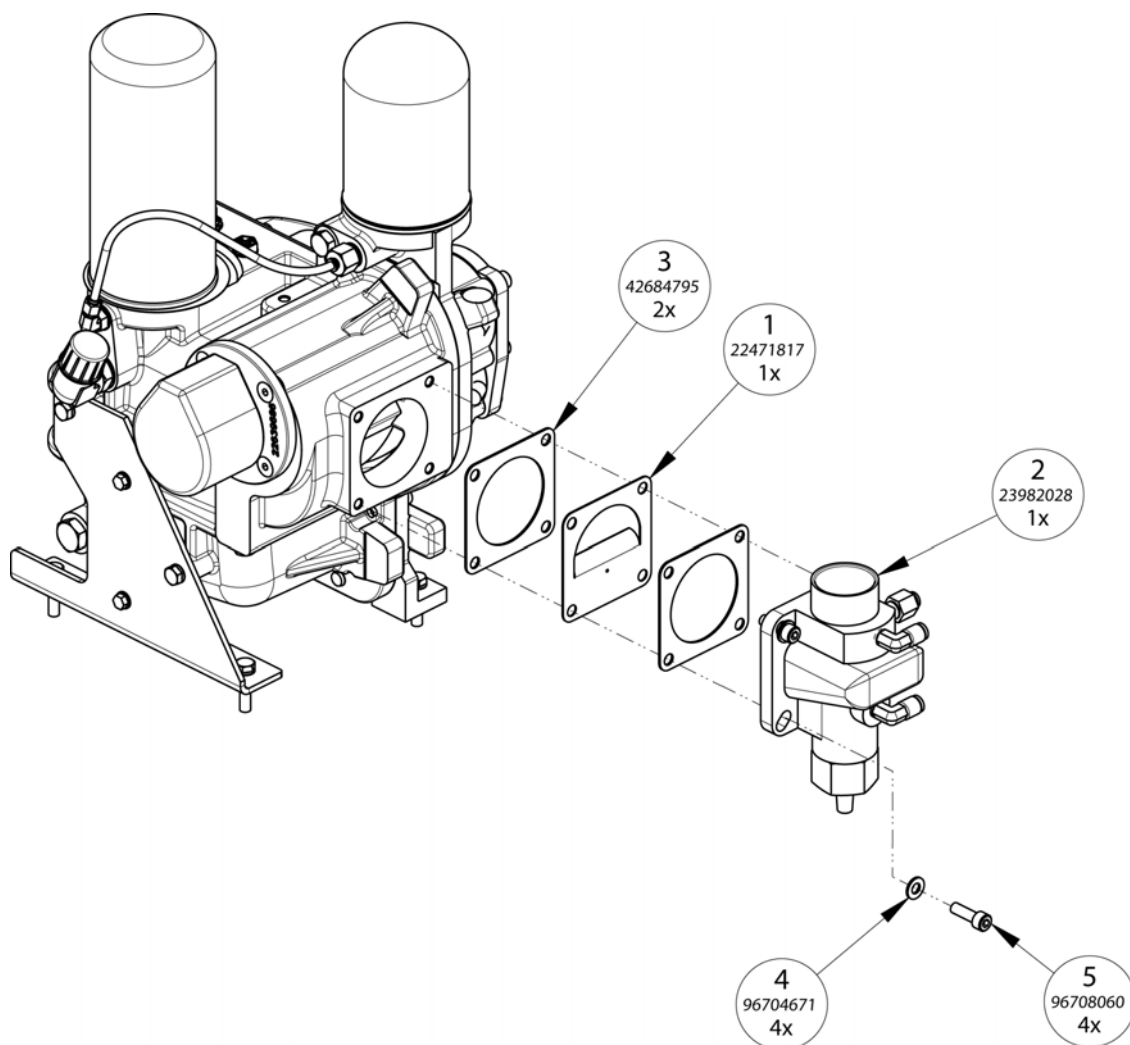
(Dwg. 24009284A5)

PARTS LIST

Item	Part No.	Description	Qty.
1	22937742	VALVE, INLET, N.O.	1
2	23410798	VALVE, BLOW DOWN 1/4" BSPT	1
3	92354539	NIPPLE, CLOSE 0.25" BSPT x 1.06" LG.	1
4	96704671	WASHER, PRODUCT GRADE A M8	4
5	96708060	SCREW, SOCKET HEAD M8 x 25.0 LONG	4

SINGLE PHASE CONTROLS RETRO-FIT KIT ASSEMBLY DRAWING AND PARTS LIST

Assemble Baffle, Gasket and Inlet Valve Assembly



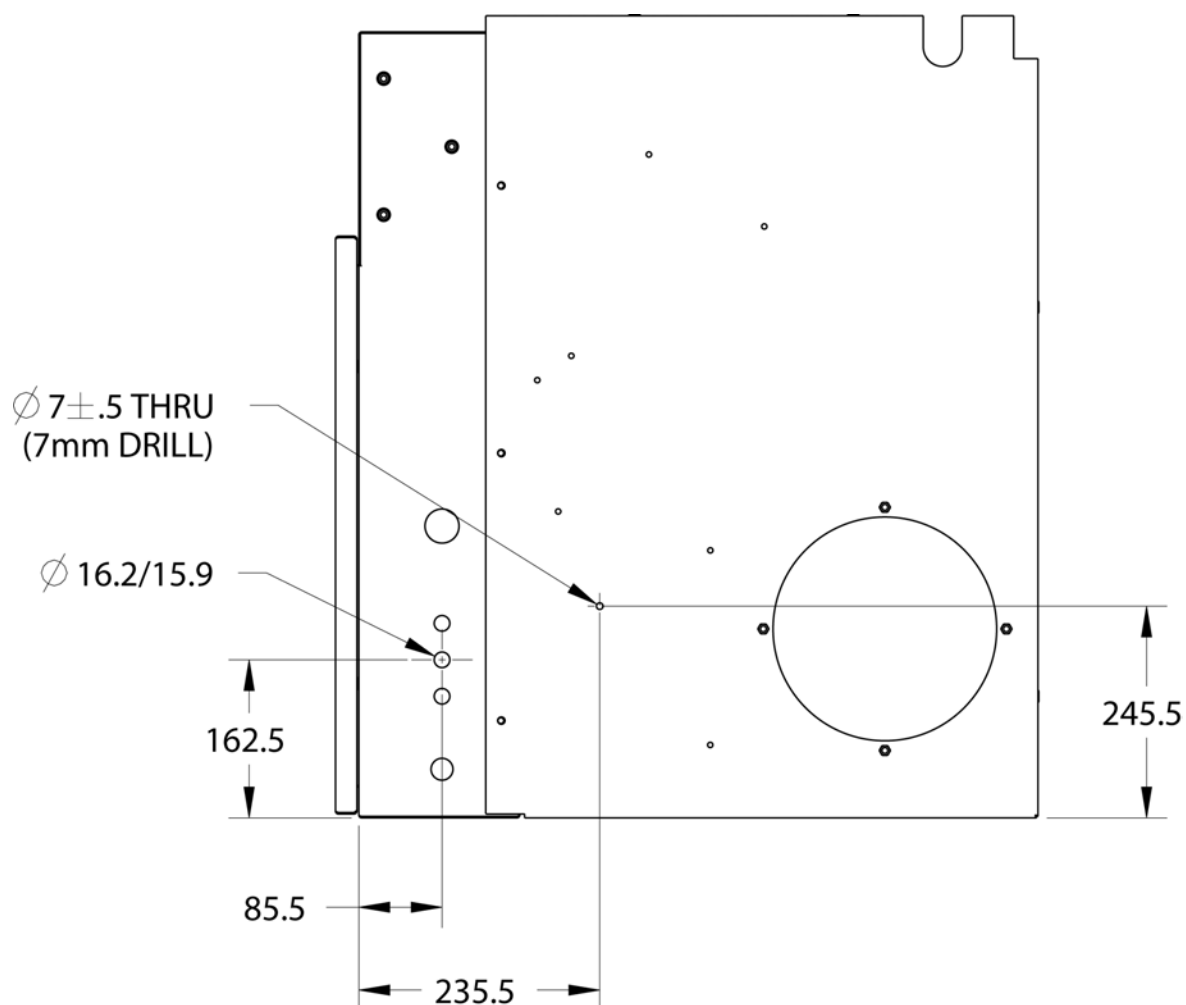
(Dwg. 24009284A6)

PARTS LIST

Item	Part No.	Description	Qty.
1	22471817	BAFFLE, INLET VALVE	1
2	23982028	ASSEMBLY, INLET VALVE, N.C. SINGLE PHASE	1
3	42684795	GASKET, INLET VALVE	2
4	96704671	WASHER, PRODUCT GRADE A M8	4
5	96708060	SCREW, SOCKET HEAD M8 x 25.0 LONG	4

SINGLE PHASE CONTROLS RETRO-FIT KIT ASSEMBLY DRAWING AND PARTS LIST

Drill Hole for Mounting Solenoid Bracket and Solenoid Cable



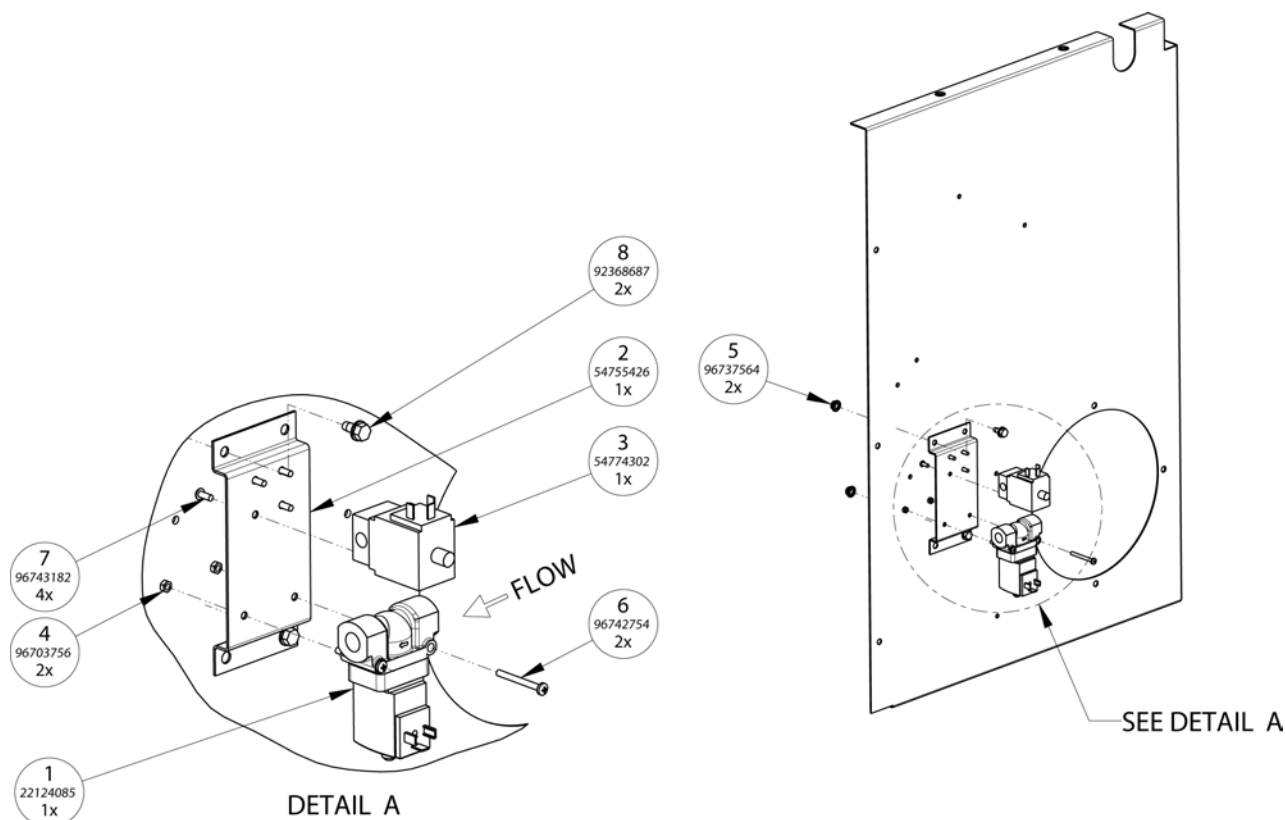
(Dwg. 24009284A7)

PARTS LIST

CAUTION: WATCH FOR OBJECTS ON BACKSIDE OF PANELS WHEN DRILLING HOLES

SINGLE PHASE CONTROLS RETRO-FIT KIT ASSEMBLY DRAWING AND PARTS LIST

Assemble Blowdown Valve, Inlet Valve and Bracket



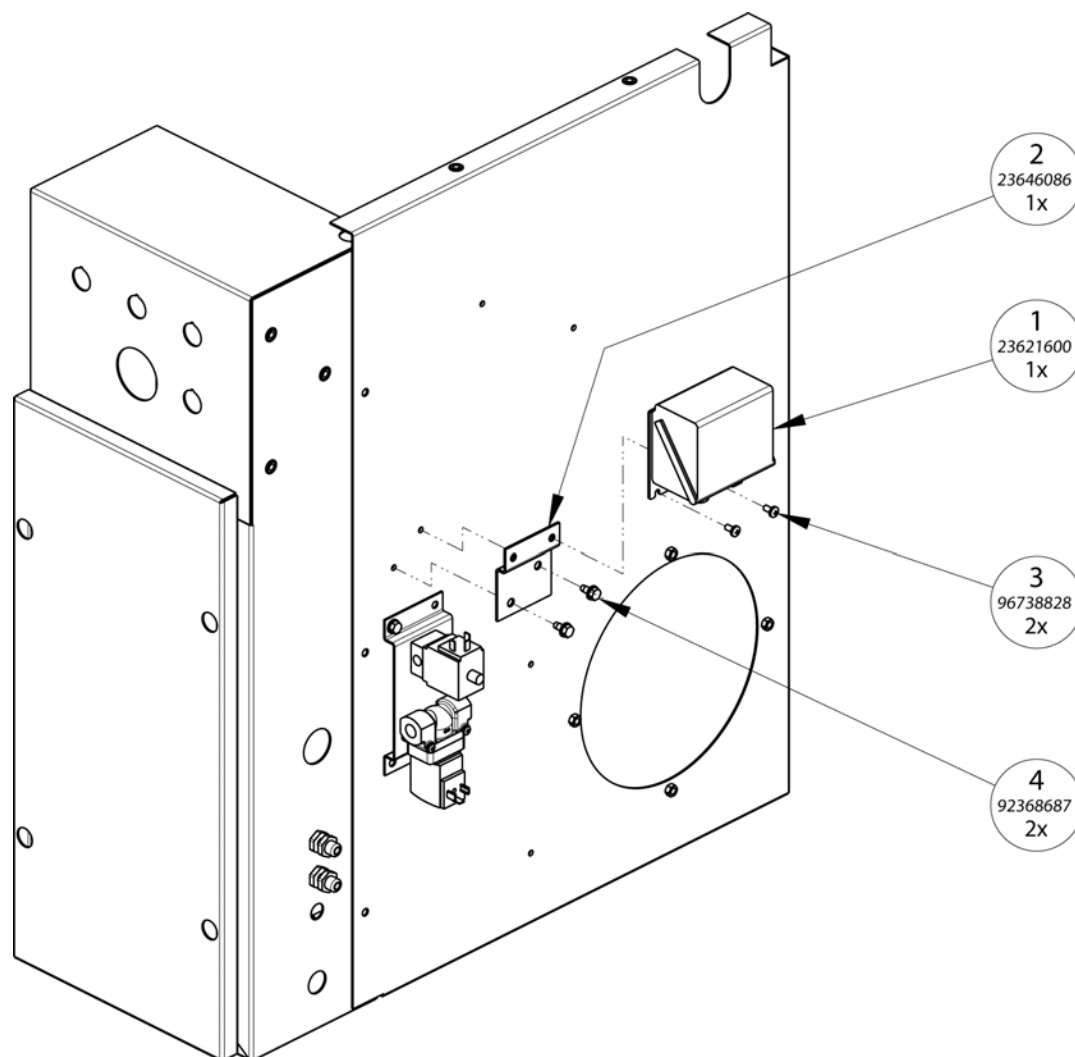
(Dwg. 24009284A8)

PARTS LIST

Item	Part No.	Description	Qty.
1	22124085	VALVE, SOLENOID - 1/4" NPT BLOWDOWN	1
2	54755426	BRACKET, SOLENOID/BLOWDOWN VALVE	1
3	54774302	VALVE, SOLENOID 0.125" NPT, 110 V 50/60 Hz	1
4	96703756	NUT, HE x STYLE 1 COARSE THD M4-.7	2
5	96737564	NUT, HE x FLANGE LOCK SERRATED M6-1.00	2
6	96742754	SCREW, MACHINE PAN HEAD TYPE H M4 x 40.0 LONG	2
7	96743182	SCREW, HEX SOCKET BUTTON HEAD M4 x 10.00 LONG	4
8	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2

SINGLE PHASE CONTROLS RETRO-FIT KIT ASSEMBLY DRAWING AND PARTS LIST

Assemble Pressure Switch to Blower Inlet Panel



(Dwg. 24009284A9)

PARTS LIST

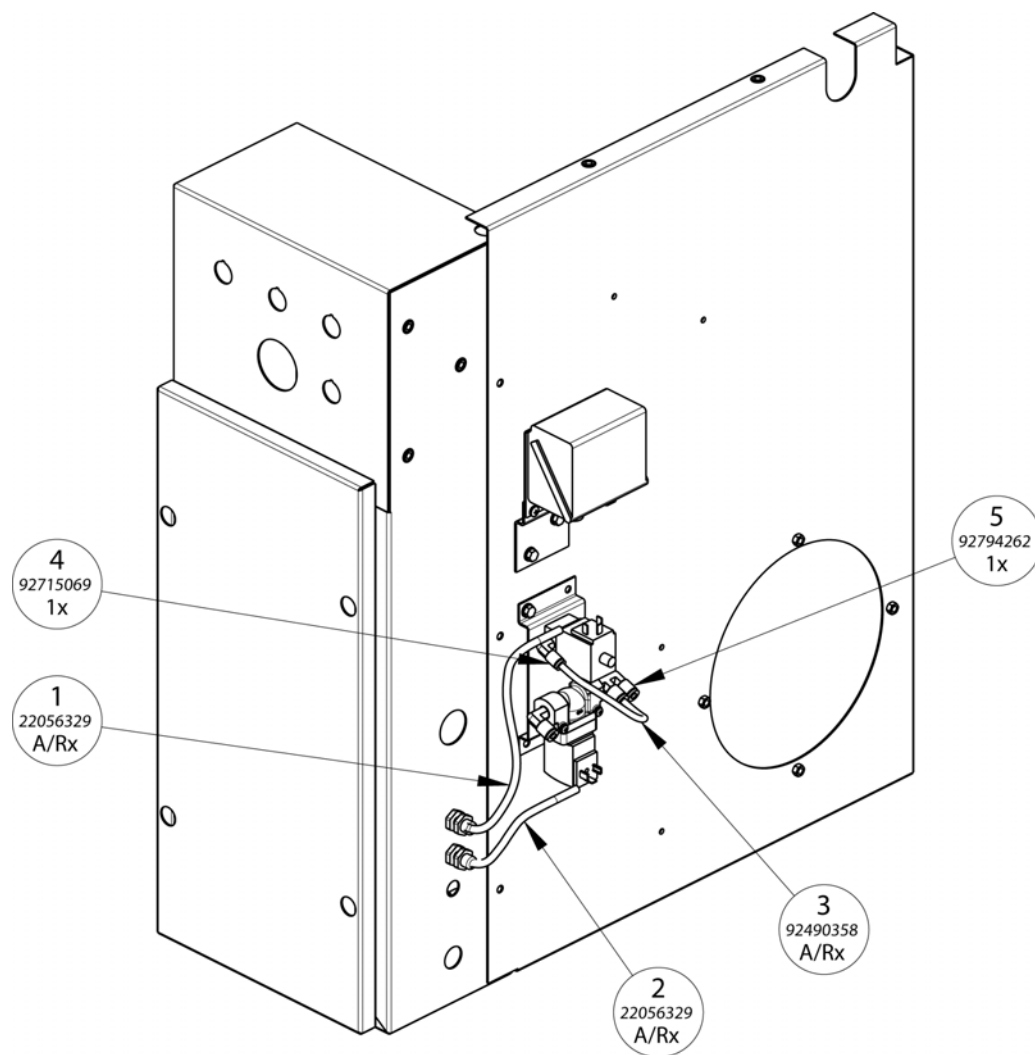
Item	Part No.	Description	Qty.
1	23621600	SWITCH, PRESSURE 100-115 psi	1
2	23646086	BRACKET, PRESSURE SWITCH	1
3	96738828	SCREW, MACHINE PAN HEAD TYPE H M5 x 10.0 LONG	2
4	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2

IMPORTANT:

ADJUST THE PRESSURE SWITCH TO THE APPROPRIATE PRESSURE SETTING FOR THE UNIT.

SINGLE PHASE CONTROLS RETRO-FIT KIT ASSEMBLY DRAWING AND PARTS LIST

Assemble Cable Starter Box to Blowdown Valve and Solinoid Valve



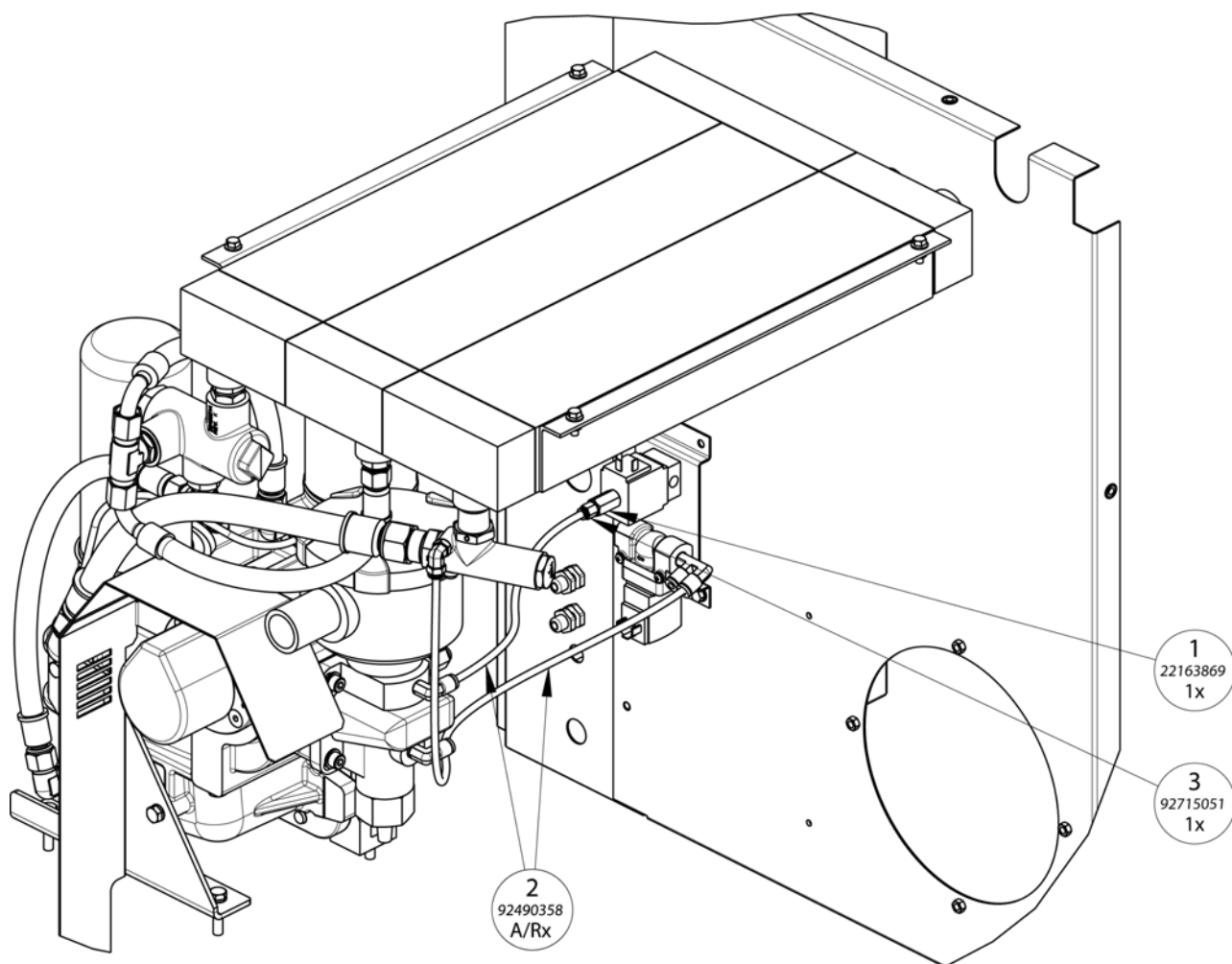
(Dwg. 24009284A10)

PARTS LIST

Item	Part No.	Description	Qty.
1	22056329	ASSEMBLY, CABLE (SOLENOID VALVE)	A/R
2	22056329	ASSEMBLY, CABLE BLOWDOWN	A/R
3	92490358	TUBE, NYLON 6 mm O/D BLUE	A/R
4	92715069	ELBOW, 0.13 NPT x 0.25 TUBE	1
5	92794262	ELBOW, DOUBLE 0.25 BSPT x 6 mm TUBE	1

SINGLE PHASE CONTROLS RETRO-FIT KIT ASSEMBLY DRAWING AND PARTS LIST

Assemble Tubing to Check Valve and Inlet Valve



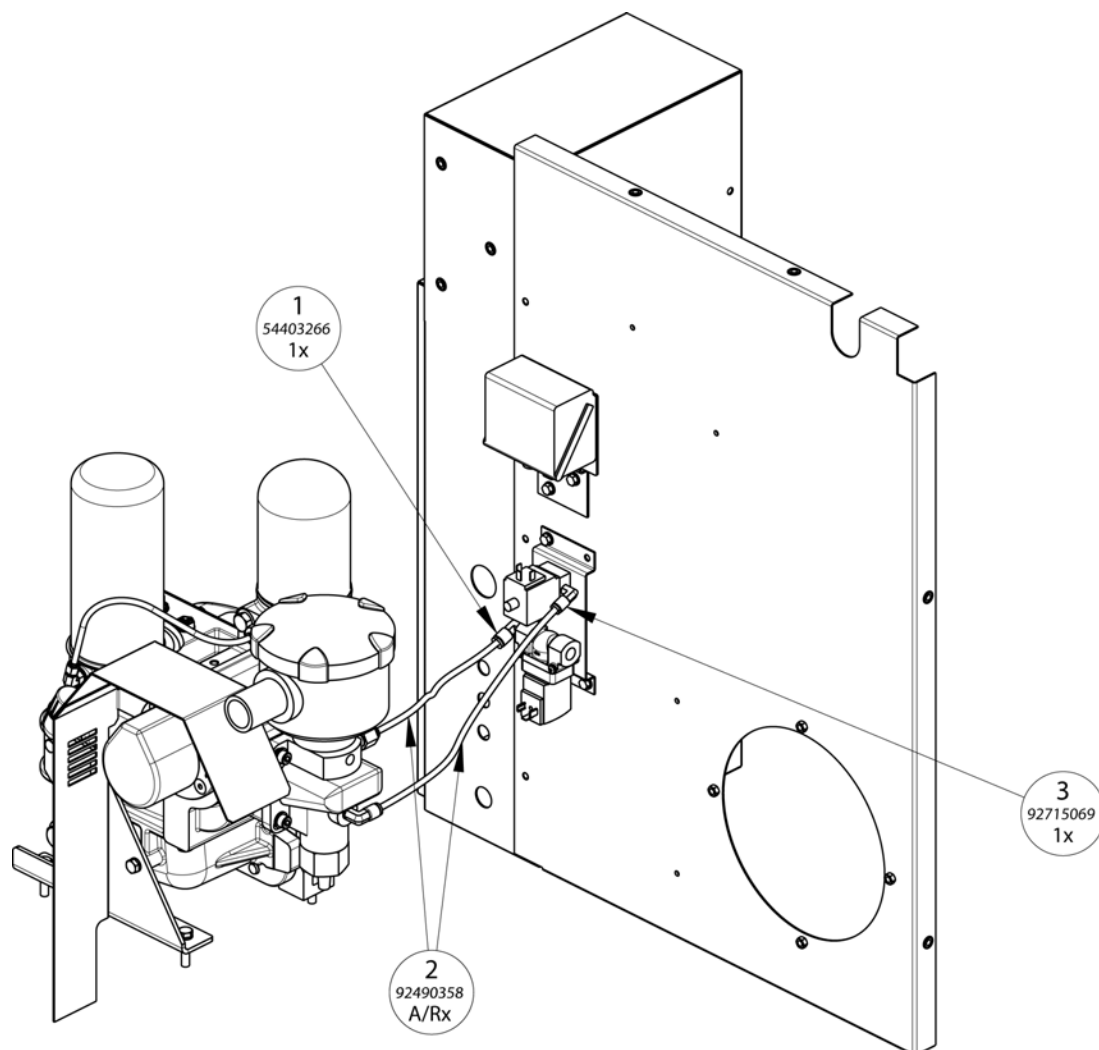
(Dwg. 24009284A11)

PARTS LIST

Item	Part No.	Description	Qty.
1	22163869	ADAPTOR, CONVERSION (0.125" BSPP x 0.125" NPT)	1
2	92490358	TUBE, NYLON 6 mm O/D BLUE	A/R
3	92715051	CONNECTOR, 0.125" BSPT x 6 mm TUBE	1

SINGLE PHASE CONTROLS RETRO-FIT KIT ASSEMBLY DRAWING AND PARTS LIST

Assemble Tubing to Inlet Valve



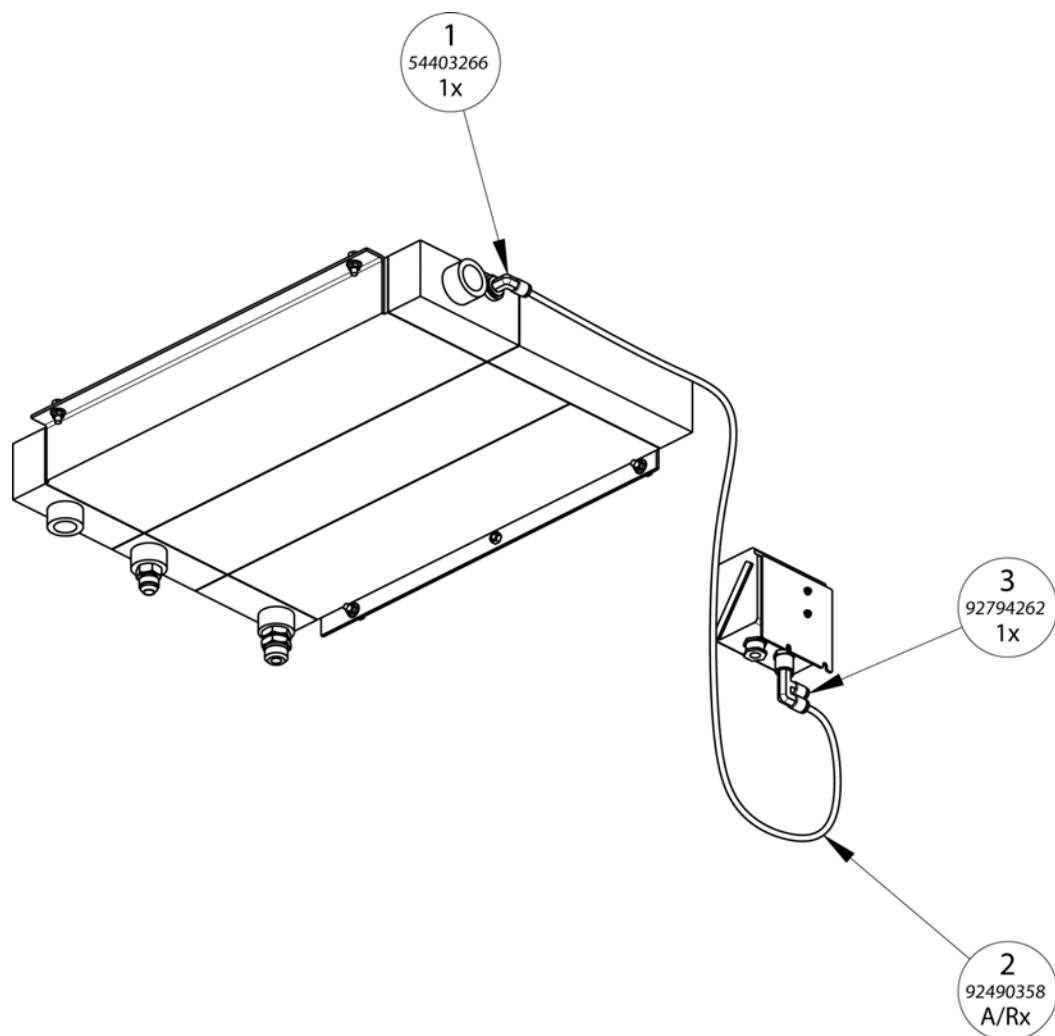
(Dwg. 24009284A12)

PARTS LIST

Item	Part No.	Description	Qty.
1	54403266	ELBOW, 0.25" BSPT x 6 mm TUBE	1
2	92490358	TUBE, NYLON 6 mm O/D BLUE	A/R
3	92715069	ELBOW, 0.13 NPT x 0.25 TUBE	1

SINGLE PHASE CONTROLS RETRO-FIT KIT ASSEMBLY DRAWING AND PARTS LIST

Assemble Tubing to Cooler



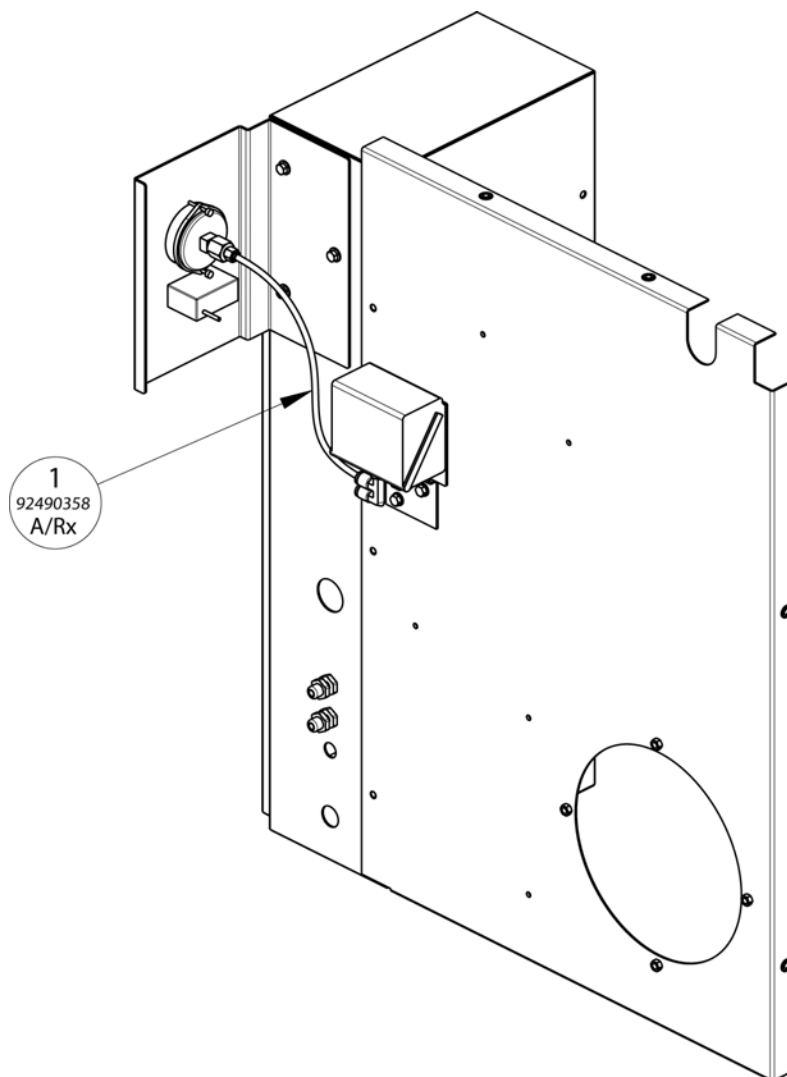
(Dwg. 24009284A13)

PARTS LIST

Item	Part No.	Description	Qty.
1	54403266	ELBOW, 0.25" BSPT x 6 mm TUBE	1
2	92490358	TUBE, NYLON 6 mm O/D BLUE	A/R
3	92794262	ELBOW, DOUBLE 0.25 BSPT x 6 mm TUBE	1

NOTE:

IT IS INTENDED THAT THIS LINE CREATES A "P" TRAP TO PREVENT ANY MOISTURE FROM GETTING TO THE PRESSURE SWITCH - DO NOT JOIN A SHORT / DIRECT ROUTE

SINGLE PHASE CONTROLS RETRO-FIT KIT ASSEMBLY DRAWING AND PARTS LIST**Assemble Tubing to Gauge Panel**

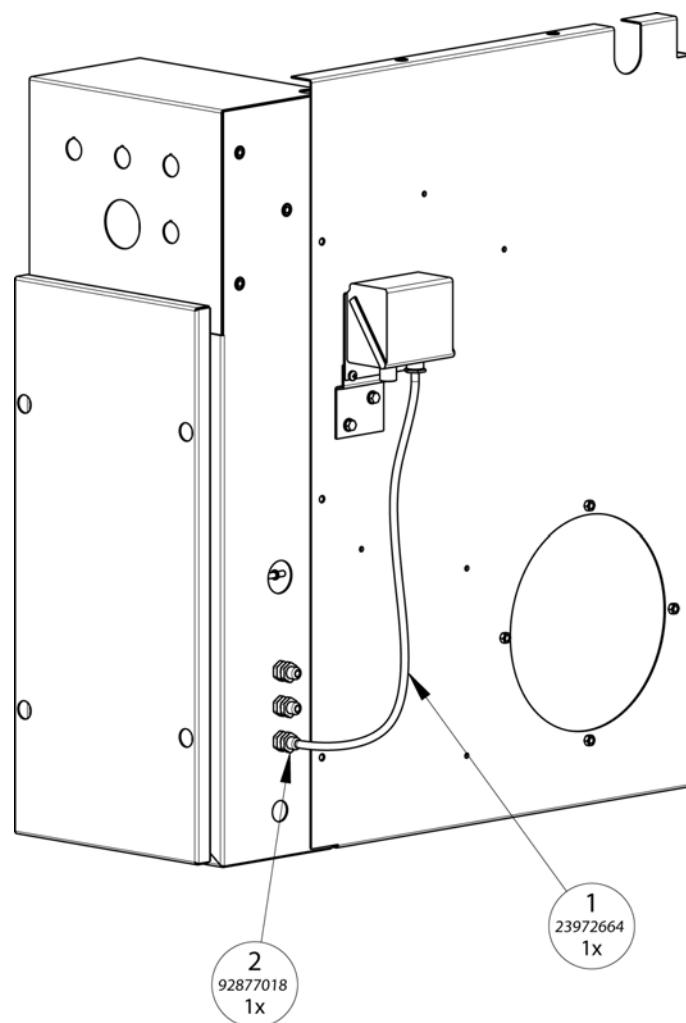
(Dwg. 24009284A14)

PARTS LIST

Item	Part No.	Description	Qty.
1	92490358	TUBE, NYLON 6 mm O/D BLUE	A/R

SINGLE PHASE CONTROLS RETRO-FIT KIT ASSEMBLY DRAWING AND PARTS LIST

Assemble Pressure Switch Cable



(Dwg. 24009284A15)

PARTS LIST

Item	Part No.	Description	Qty.
1	23972664	ASSEMBLY, PRESSURE SWITCH CABLE	1
2	92877018	GLAND, CABLE (LIQUID TIGHT FITTING)	1



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