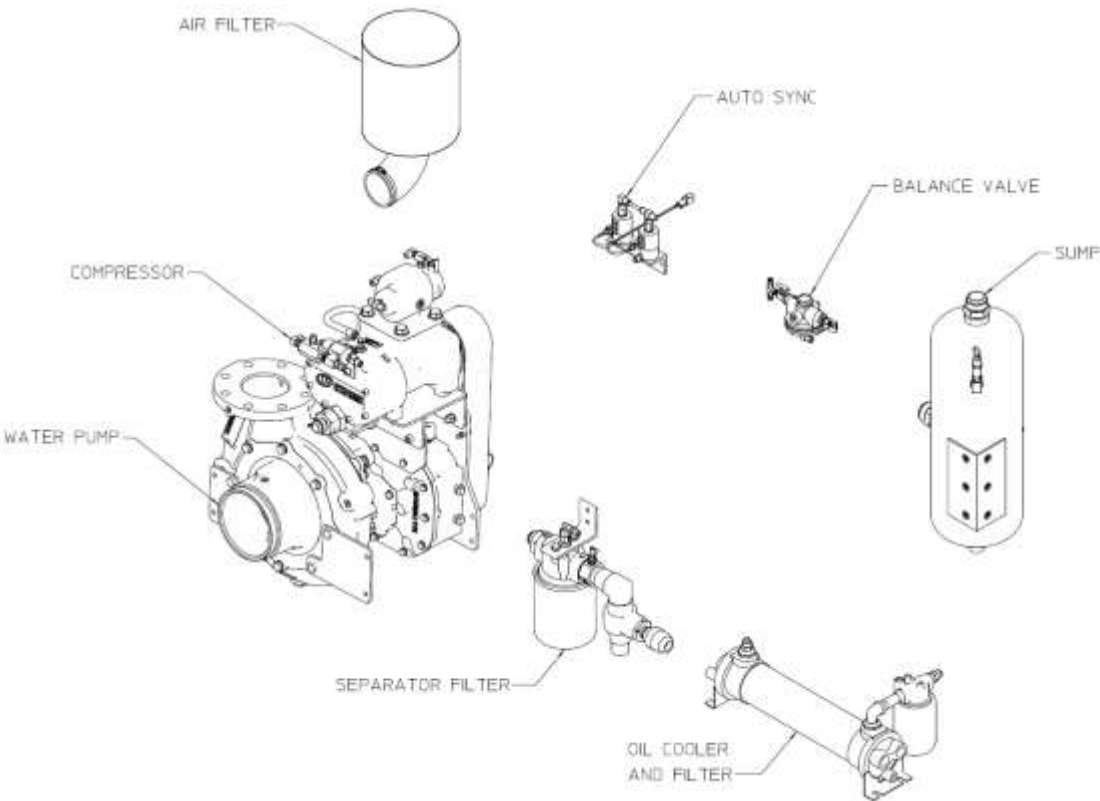


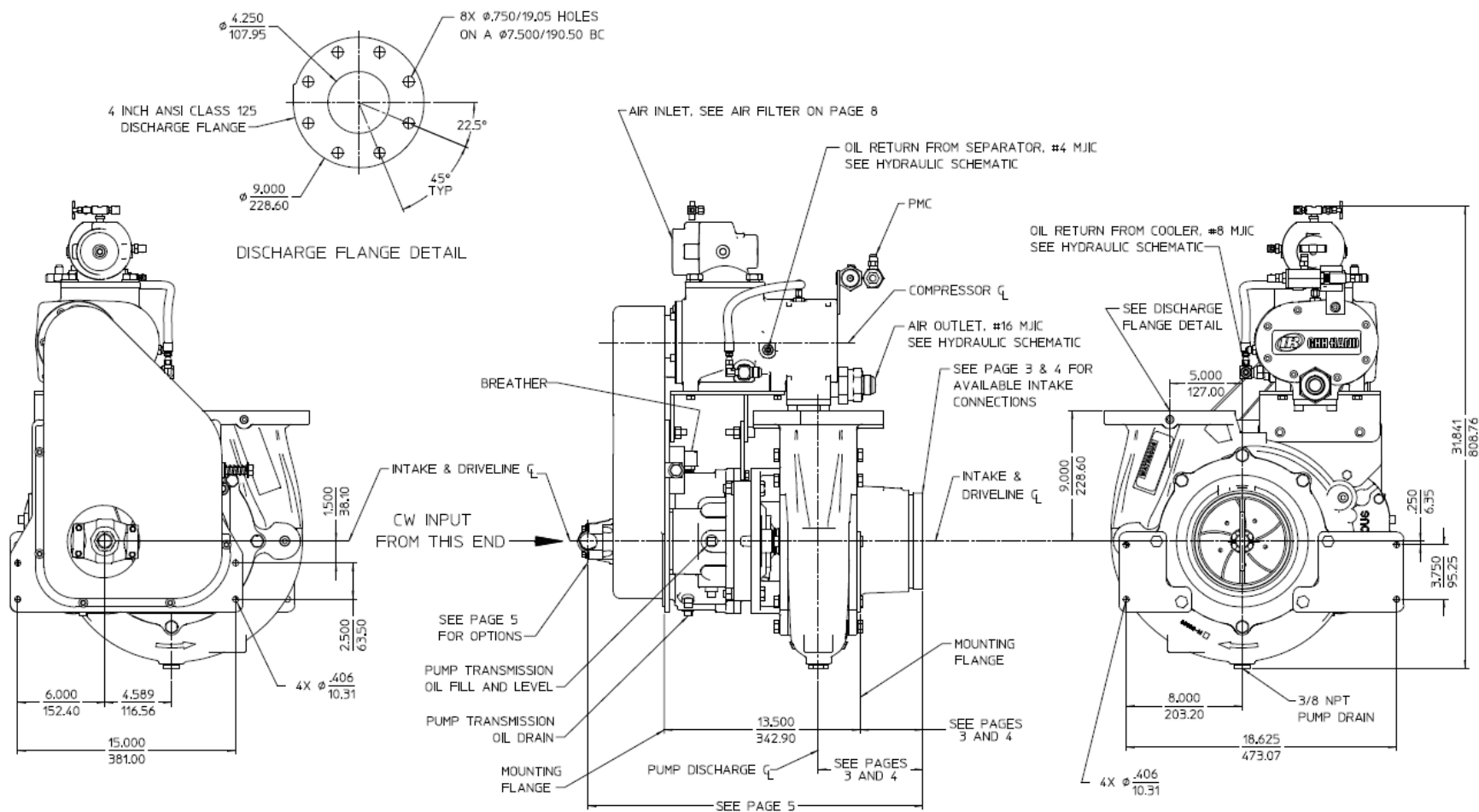
PTO Compressor System Dimensional Drawings

Models 750-100-P, 1000-100-P and 1250-100-P

Includes Fire Pump Models CXNK, CXSK or CXVK

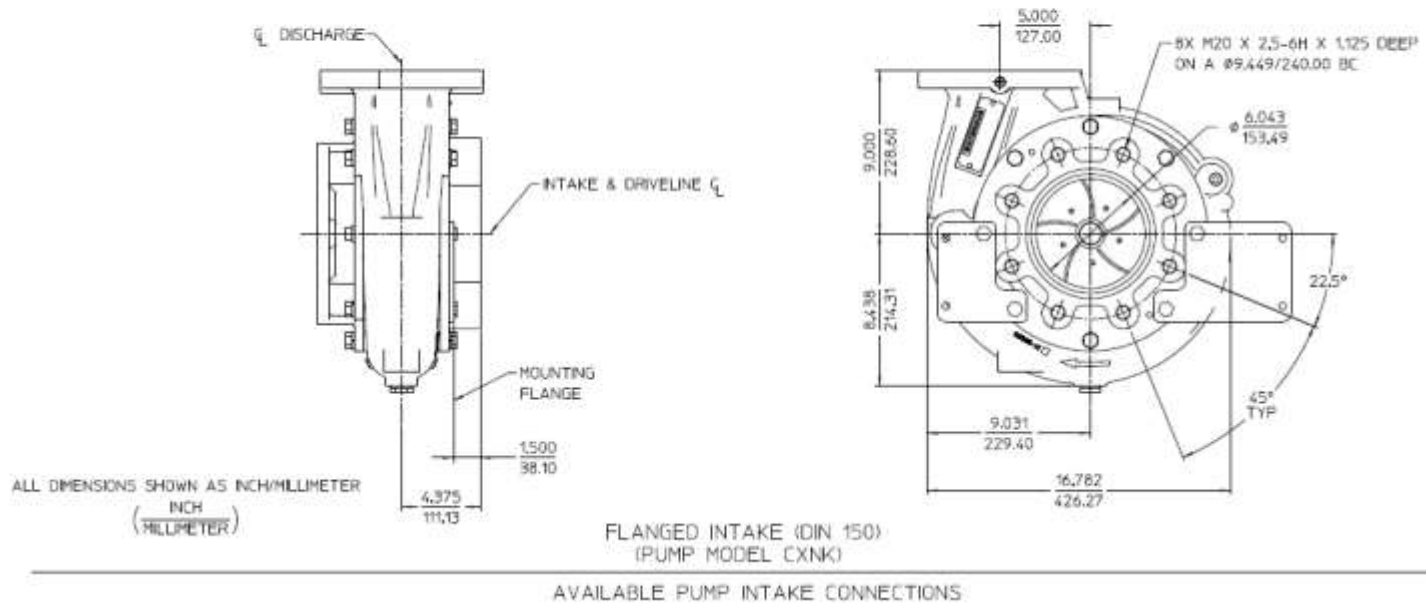
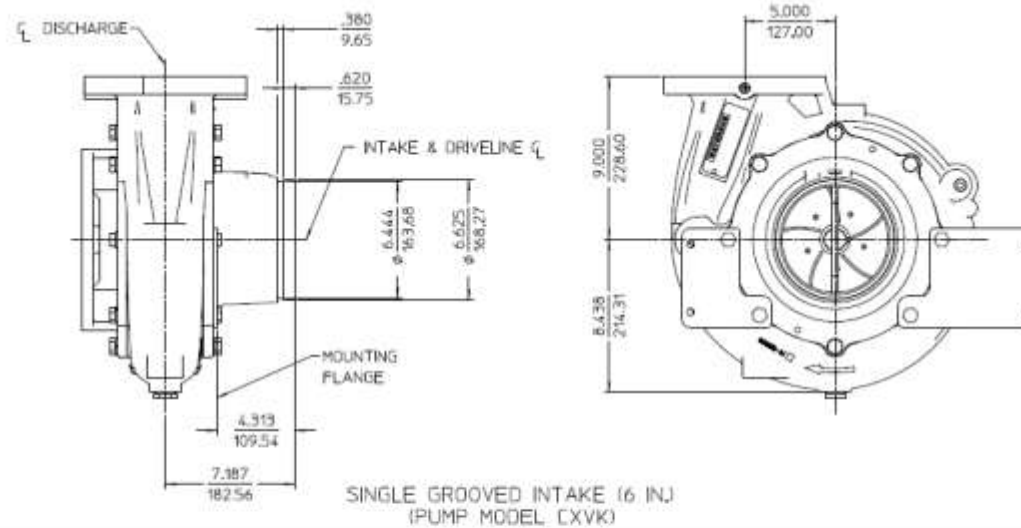


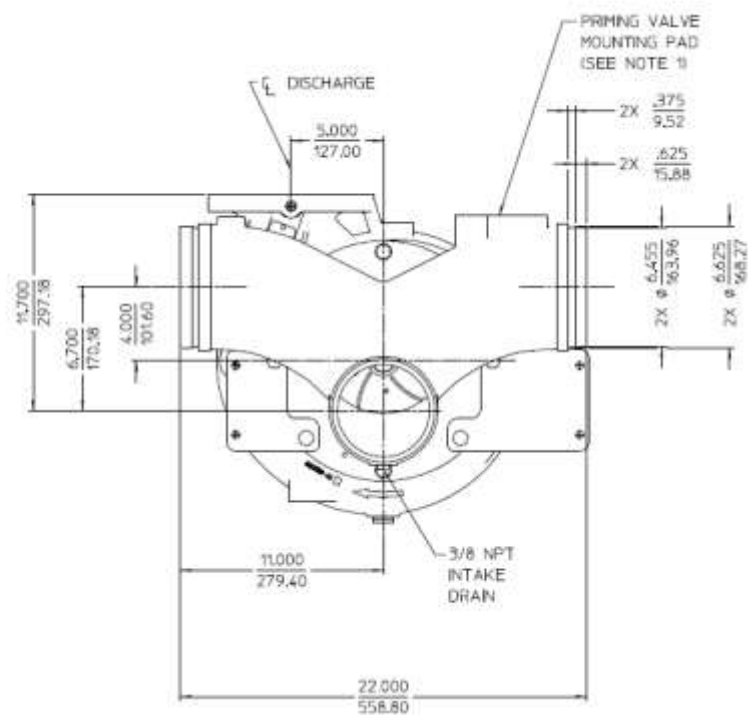
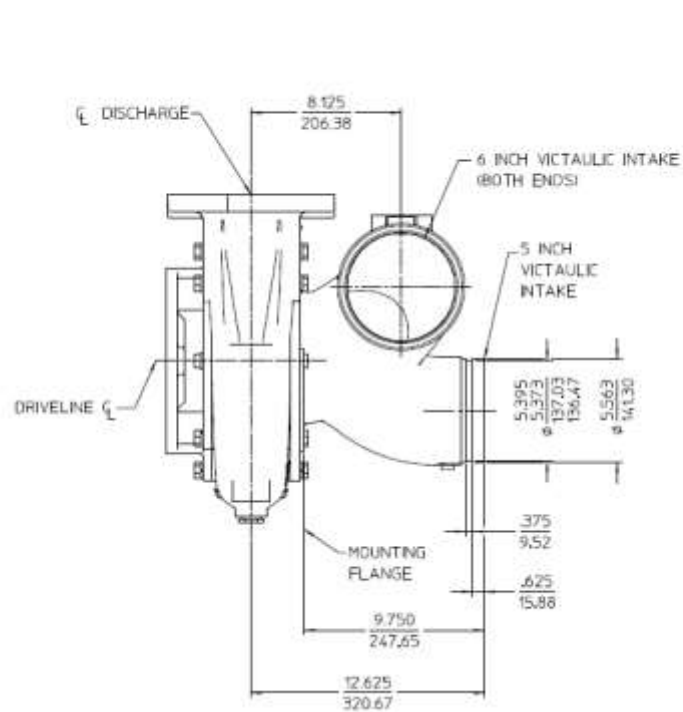
Standard Components:	Page
Compressor and Water Pump.....	2
Available Pump Intake Connections:	
Pump Models CXN and CXV	3
Pump Model CXS	4
Available Companion Flanges and End Yokes	5
Sump (Oil Reservoir)	6
Oil Cooler and Filter	7
Air Filter	8
Separator Filter	8
Oil Temperature Gauge	9
Auto-Sync.....	9
Balance Valve.....	9
Panel Plates.....	9
Optional Components:	
Air Oil Cooler (Electric Fan)	10
Air Distribution Manifold	11
Auxiliary Air Connection.....	12
Air Pressure Gauge.....	13
Digital Air Flow Meter	13
Sump Vent	13
Hose and Fitting Kit	14
Oil Inject Check Valve.....	15
CAF Discharge:	
Air Discharge Check Valve Kits.....	See DPL83477
ICS Valves	See DPL83478
Static Mixers	See DPL83603
Manifolds	See DPL83682
Foam Pumps:	
Models Aquis 1.5, 3.0 or 6.0:.....	See F-1031, 2447
Schematics:	
Hydraulic.....	16
Air Circuit	17
Electrical.....	18



ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
(
INCH
MILLIMETER

COMPRESSOR AND WATER PUMP



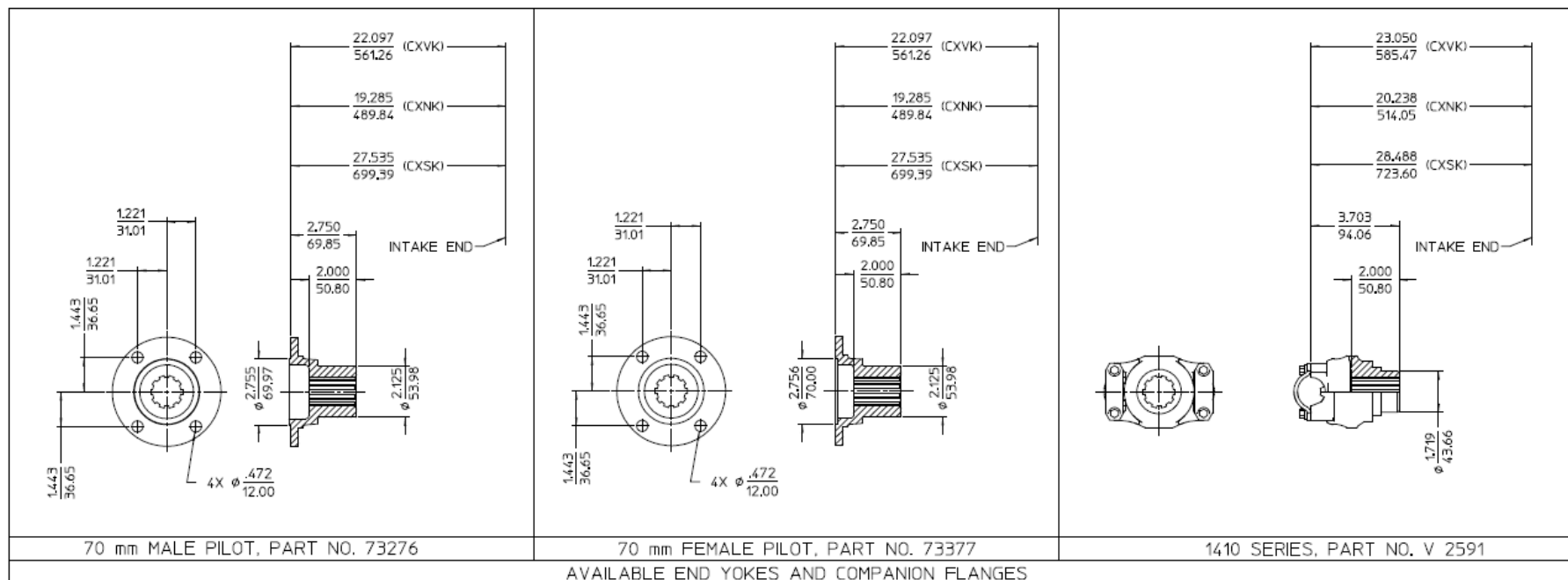


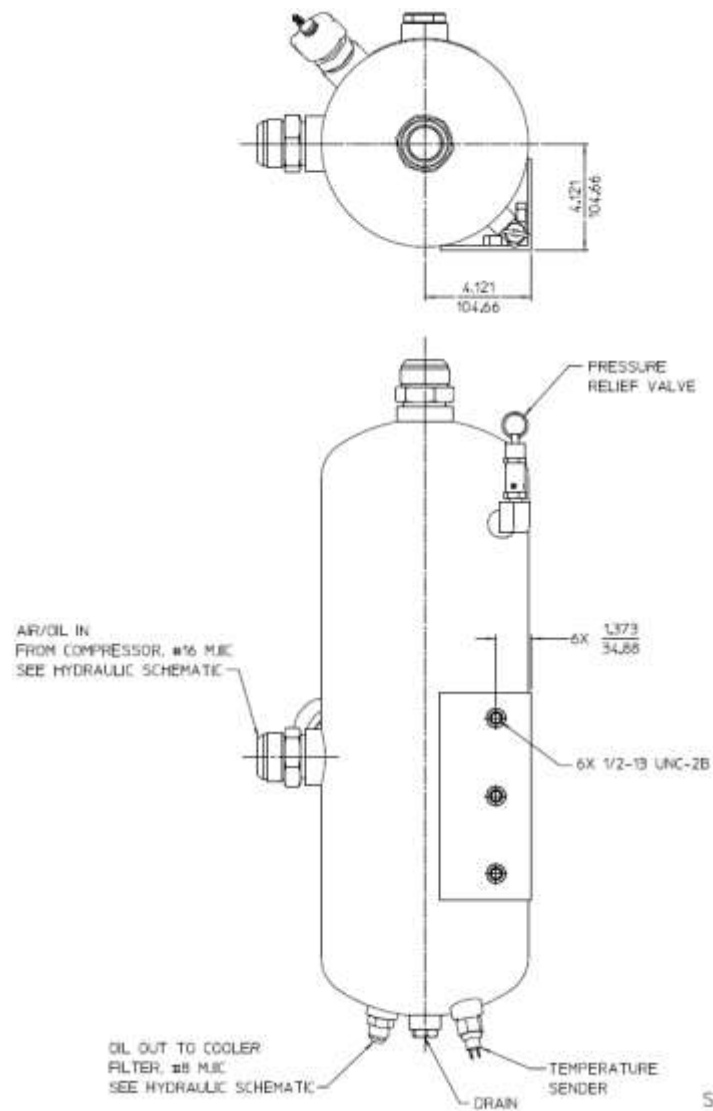
DUAL GROOVED INTAKE (6 IN.)
(PUMP MODEL CXSK)

ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
(INCH
MILLIMETER)

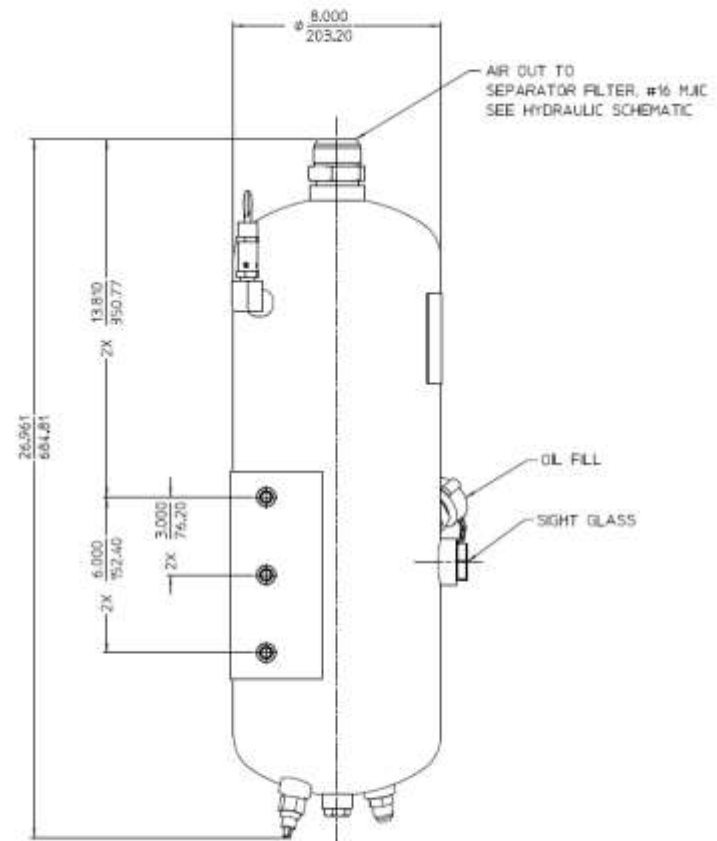
- NOTES:
1. SEE DRAWING DPL82908 FOR PRIMING VALVE DETAILS.
2. PUMP MOUNTED RELIEF VALVE NOT AVAILABLE.

AVAILABLE PUMP INTAKE CONNECTIONS

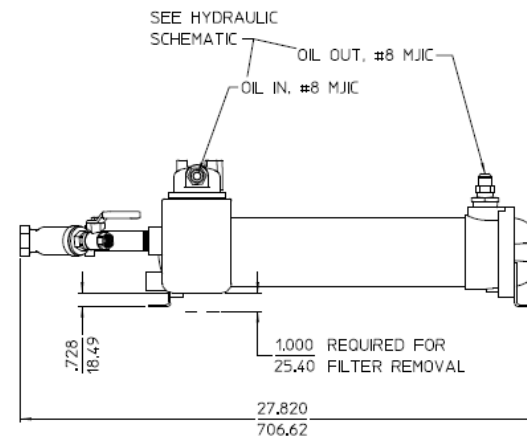
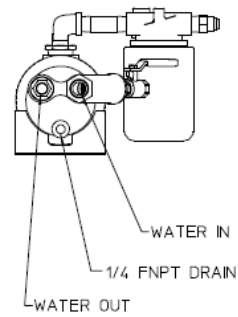
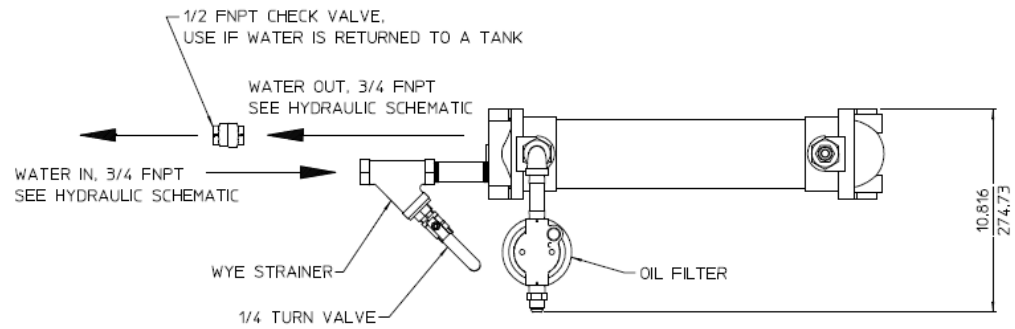




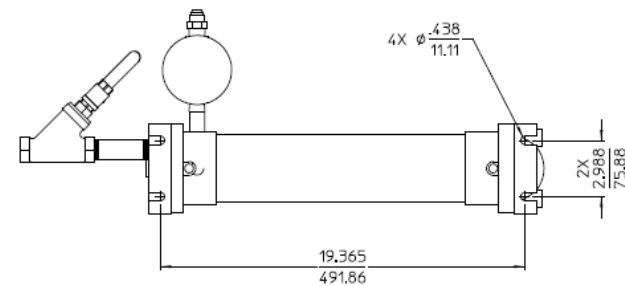
ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
(INCH / MILLIMETER)



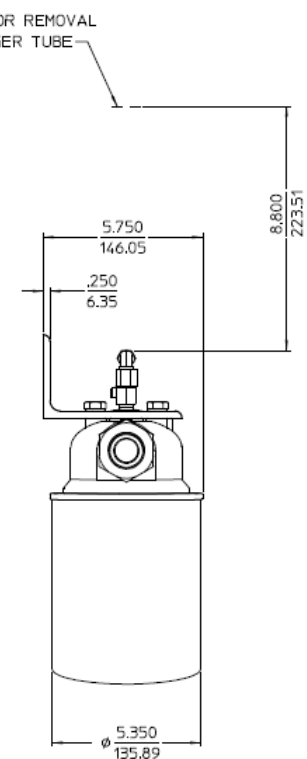
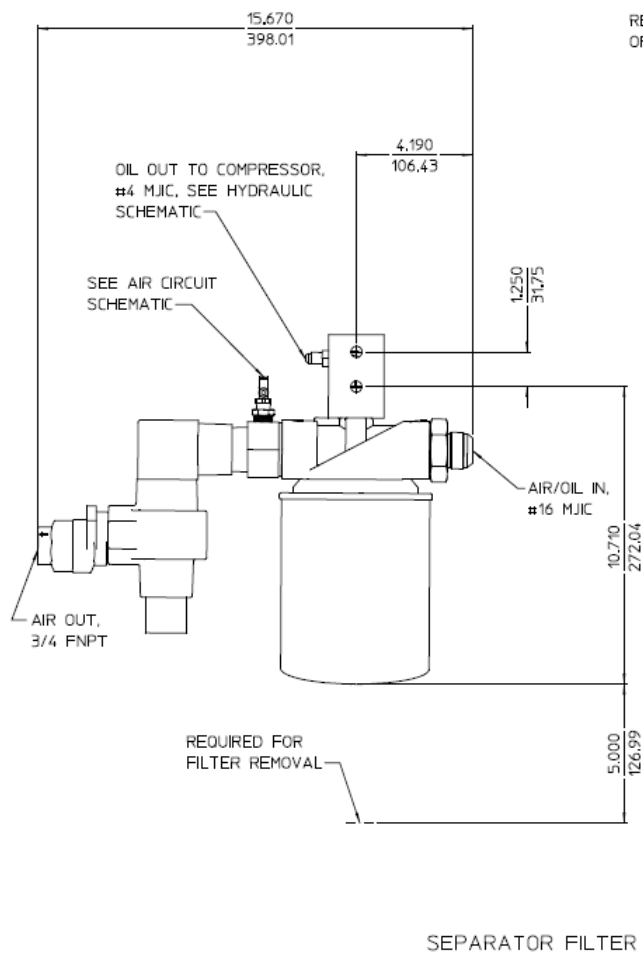
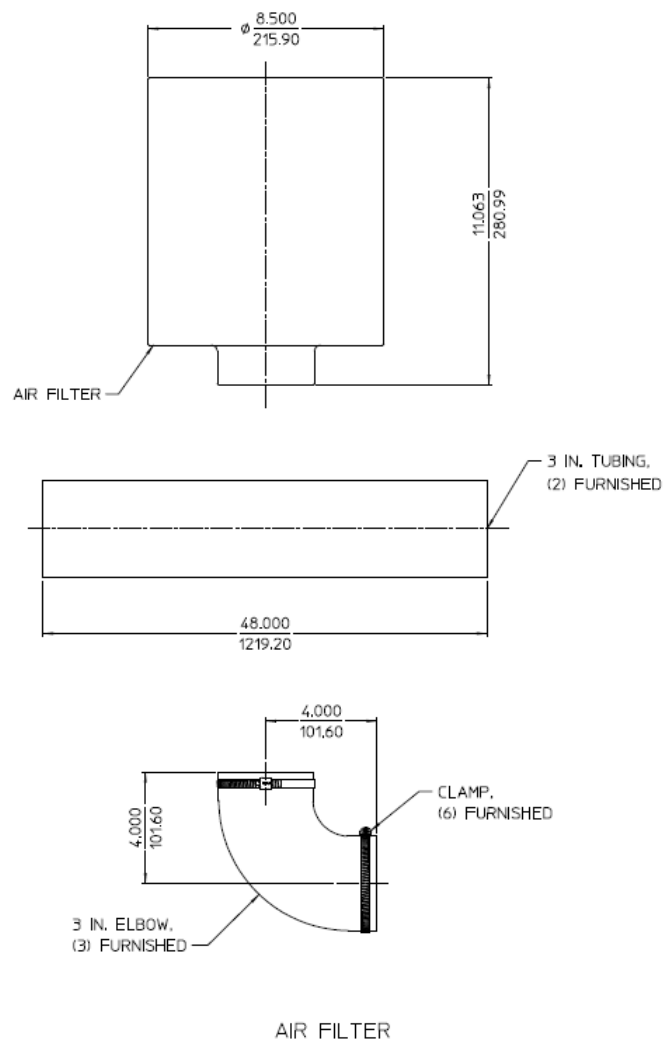
SUMP (OIL RESERVIOR)



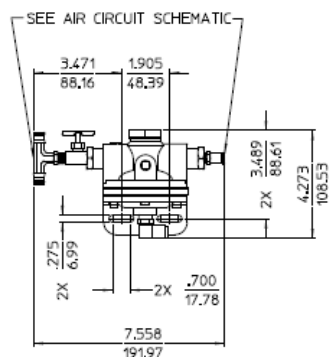
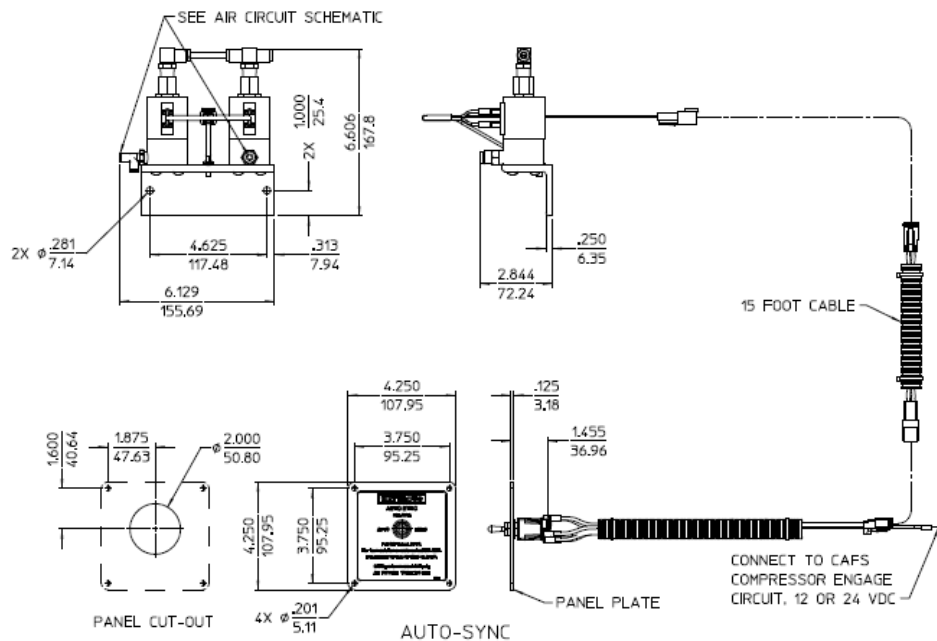
ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
(INCH
MILLIMETER)



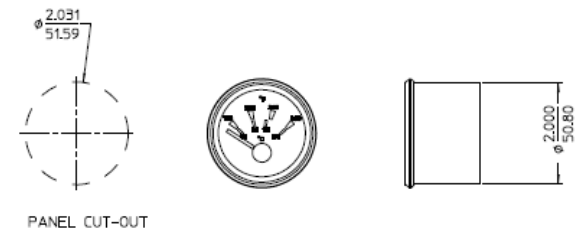
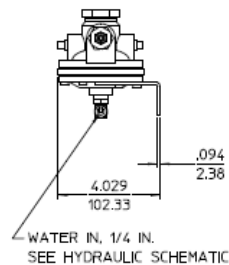
OIL COOLER & FILTER



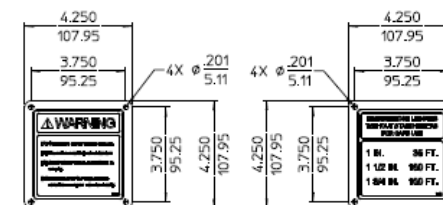
ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
(
INCH
MILLIMETER
)



BALANCE VALVE

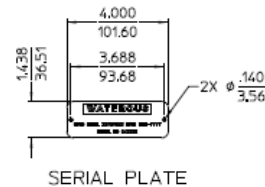


OIL TEMPERATURE GAUGE
(WIRING TO SUMP TEMPERATURE SENDER
NOT FURNISHED BY WATEROUS)



CAFES WARNING

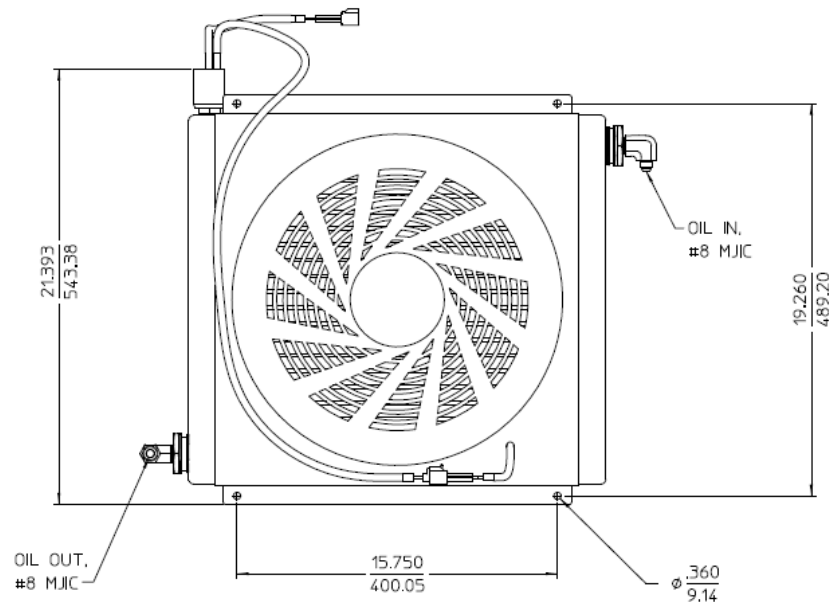
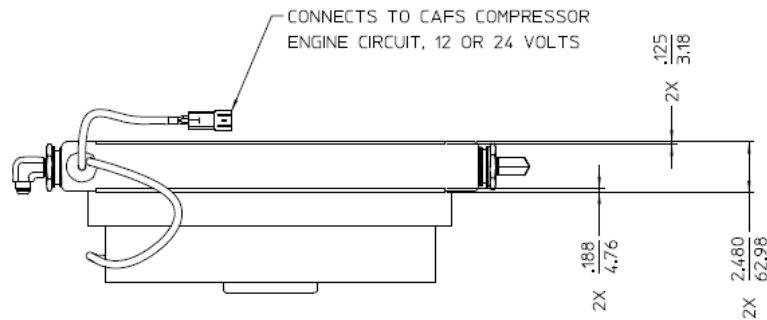
HOSE LENGTH



SERIAL PLATE

PANEL PLATES

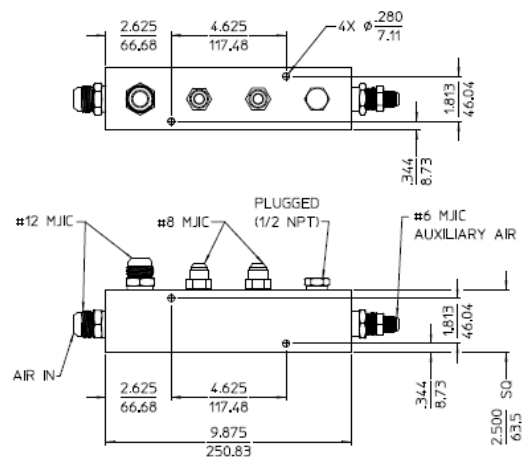
ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
(INCH
MILLIMETER)



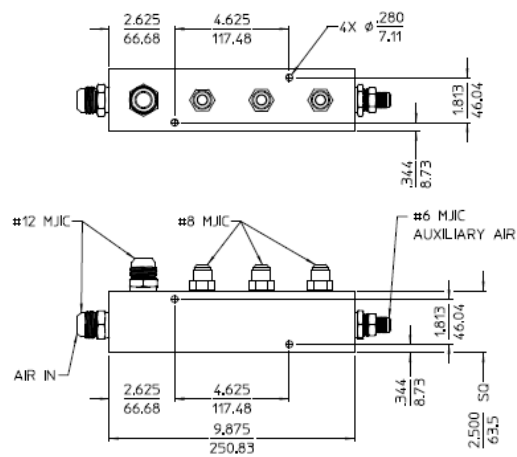
ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
 $\frac{\text{INCH}}{\text{MILLIMETER}}$

OPTIONAL AIR OIL COOLER (ELECTRIC FAN)

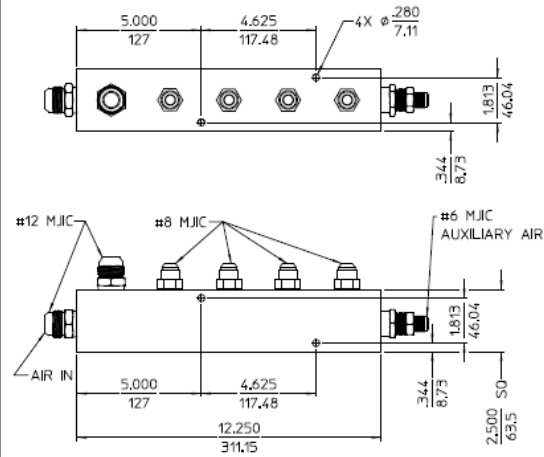
MAY BE USED AS SECONDARY COOLER IN CONJUNCTION WITH
OIL COOLER ON PAGE 7.
NOT AVAILABLE AS A STAND-ALONE COOLER



3 PORT MANIFOLD
ORDER PART NO. 83360-1A

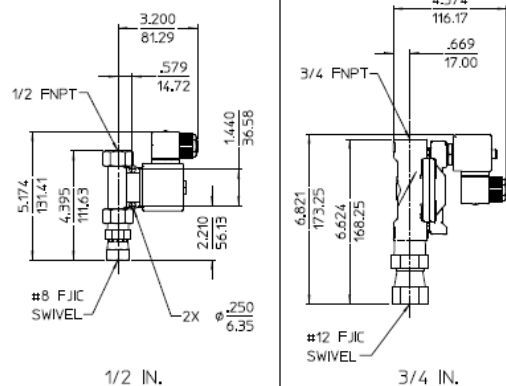


4 PORT MANIFOLD
ORDER PART NO. 83360-1B

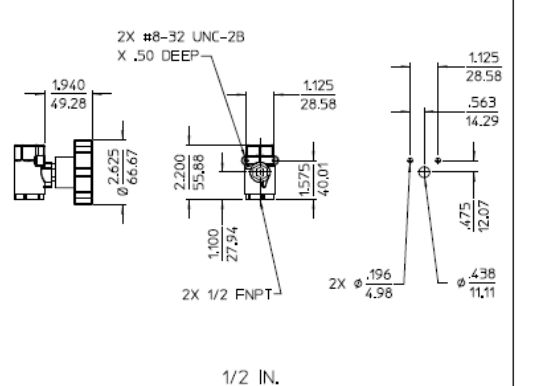


5 PORT MANIFOLD
ORDER PART NO. 83360-1C

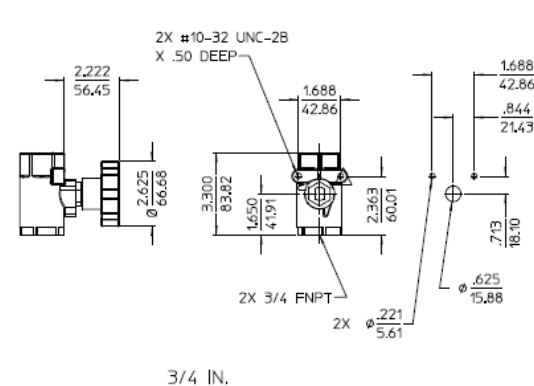
OPTIONAL AIR DISTRIBUTION MANIFOLD



ELECTRIC

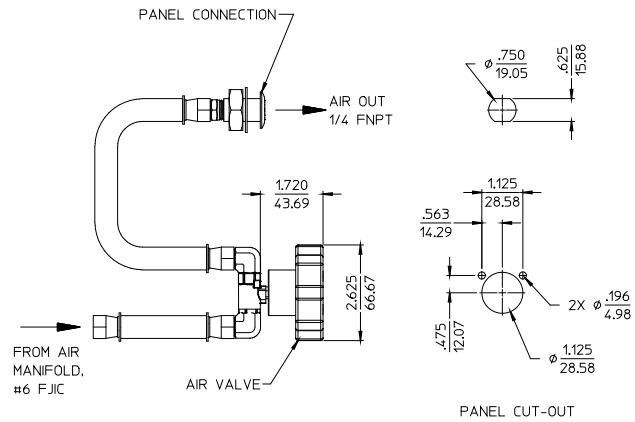
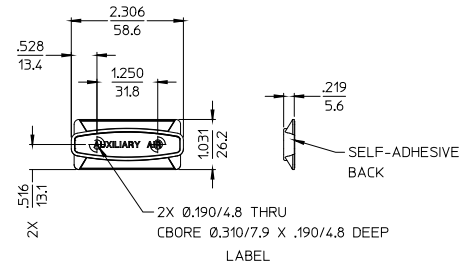
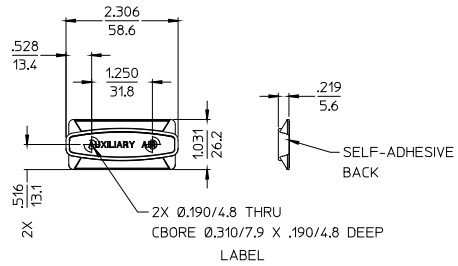


MANUAL



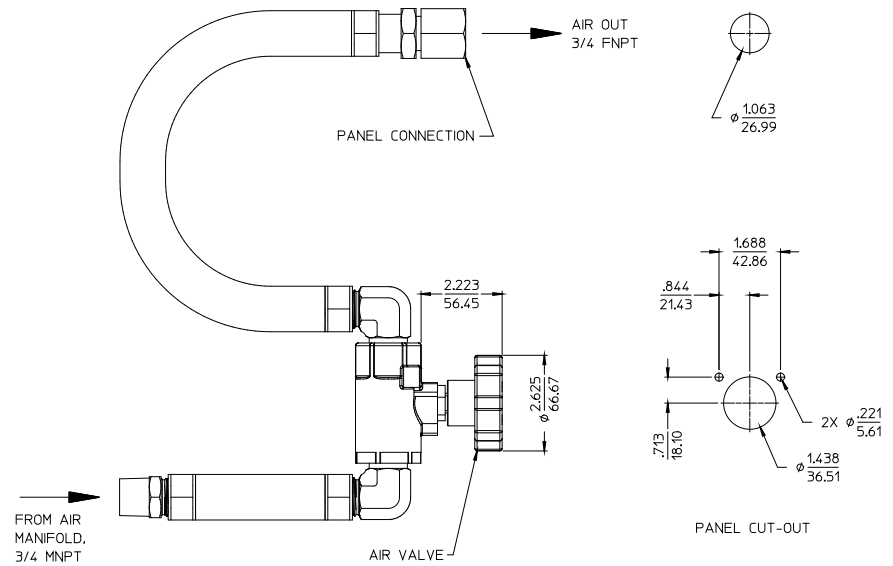
ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
(INCH)
(MILLIMETER)

OPTIONAL AIR VALVES



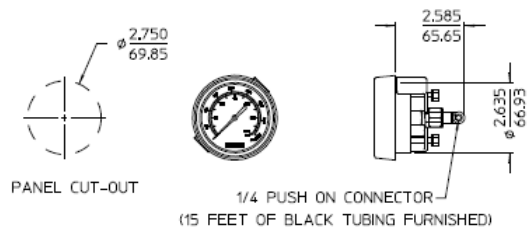
1/4 FNPT CONNECTION
(HOSES AND FITTINGS FURNISHED)
ORDER PART NO. 83360-3A

ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
(INCH
MILLIMETER)

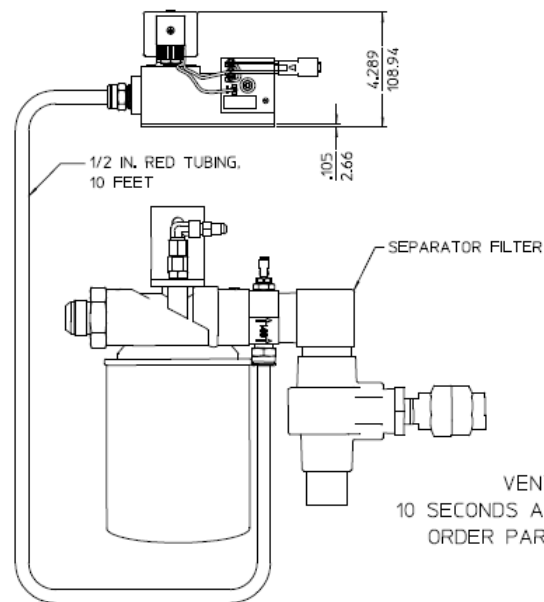
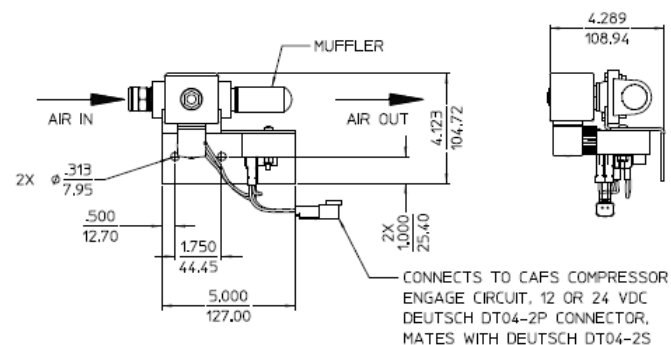
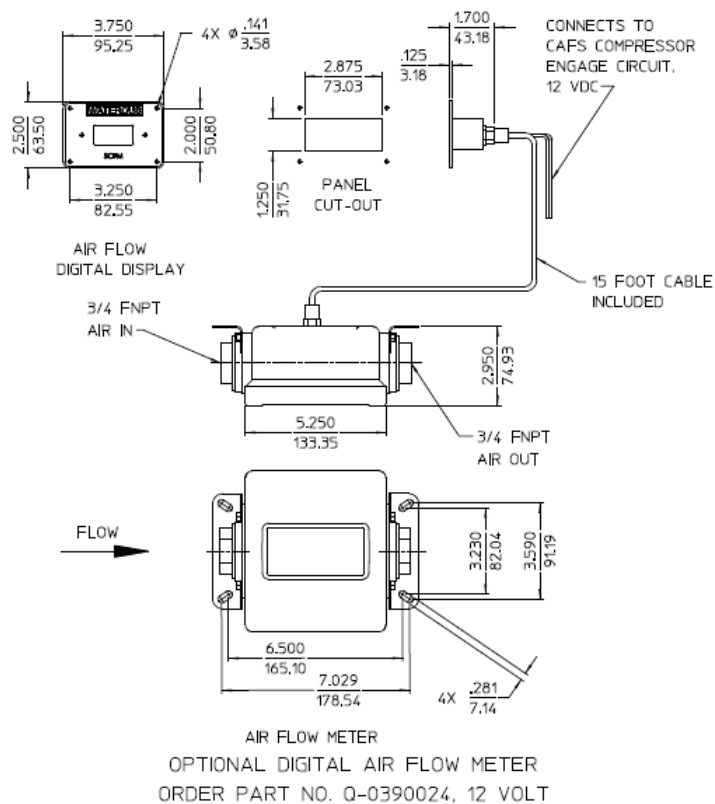


3/4 NPT CONNECTION
(HOSES AND FITTINGS FURNISHED)
ORDER PART NO. 83360-3B

OPTIONAL AUXILIARY AIR CONNECTION

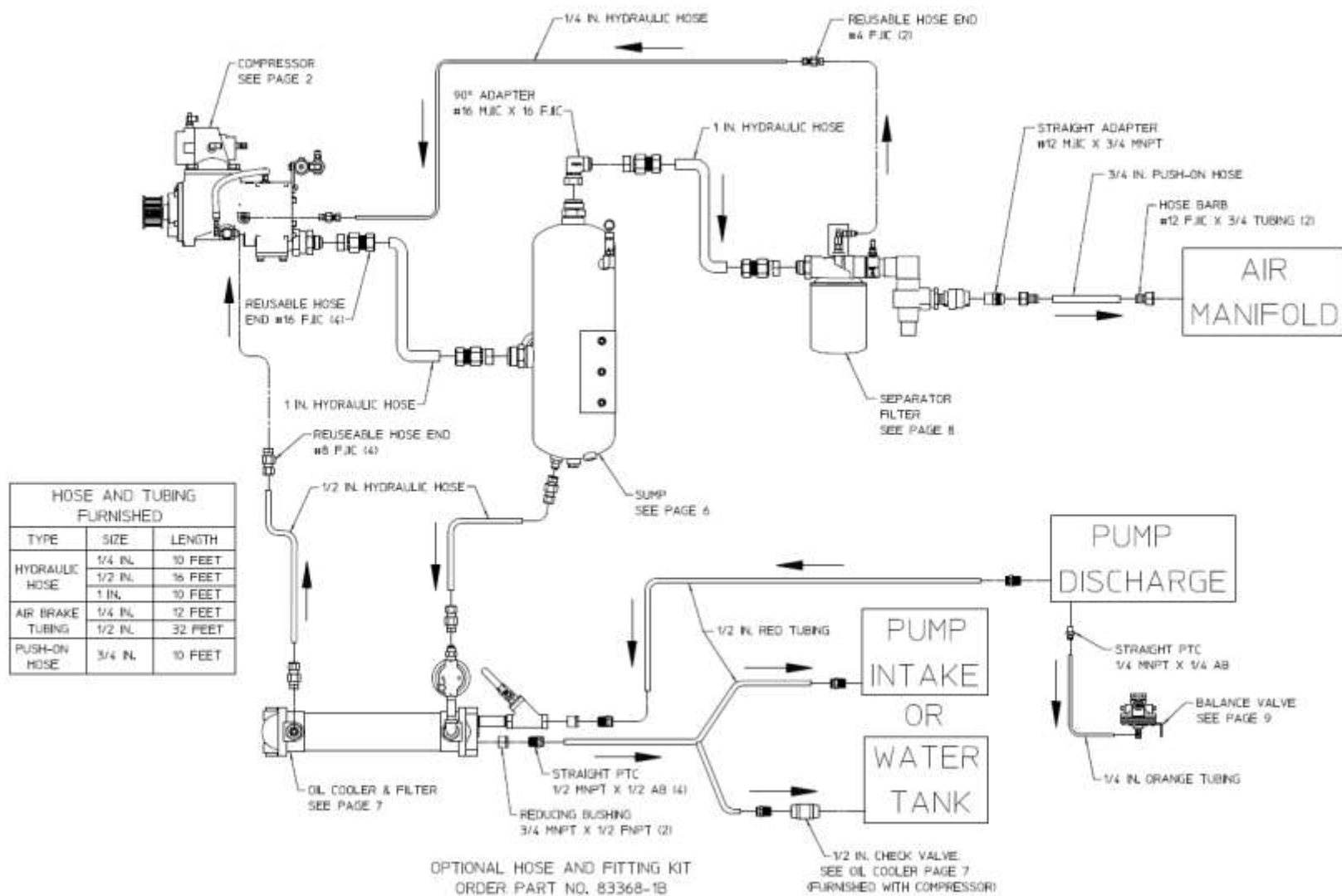


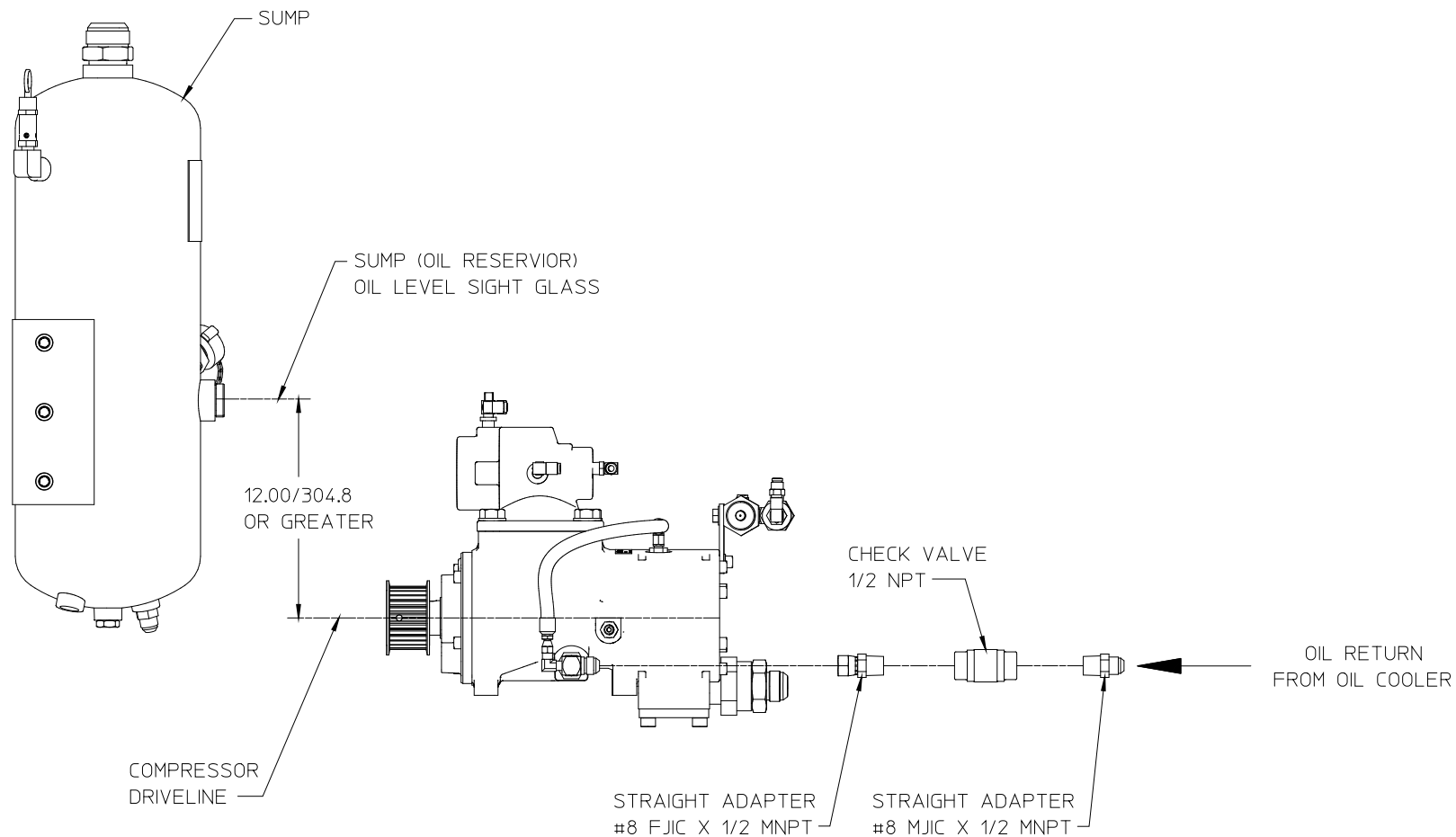
OPTIONAL AIR PRESSURE GAUGE
SINGLE Mpa SCALE ORDER PART NO. 83417-1A
DUAL PSI/Kpa SCALE ORDER PART NO. 83417-1B



ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
(INCH / MILLIMETER)

OPTIONAL SUMP VENT
VENTS COMPRESSOR PRESSURE FOR
10 SECONDS AT START-UP TO PREVENT ENGINE STALLING
ORDER PART NO. 83293-2A (12V) OR 83293-2B (24V)

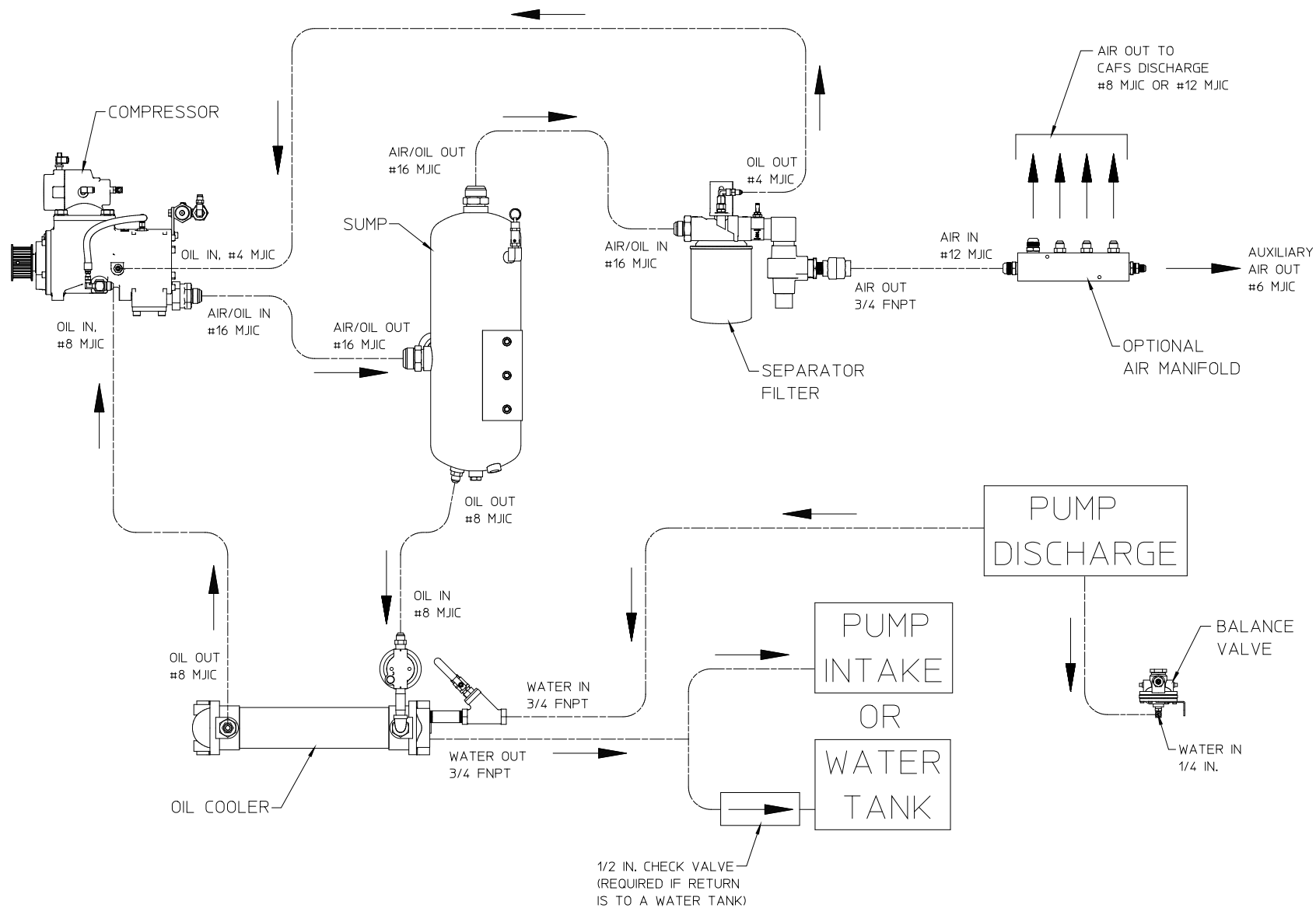




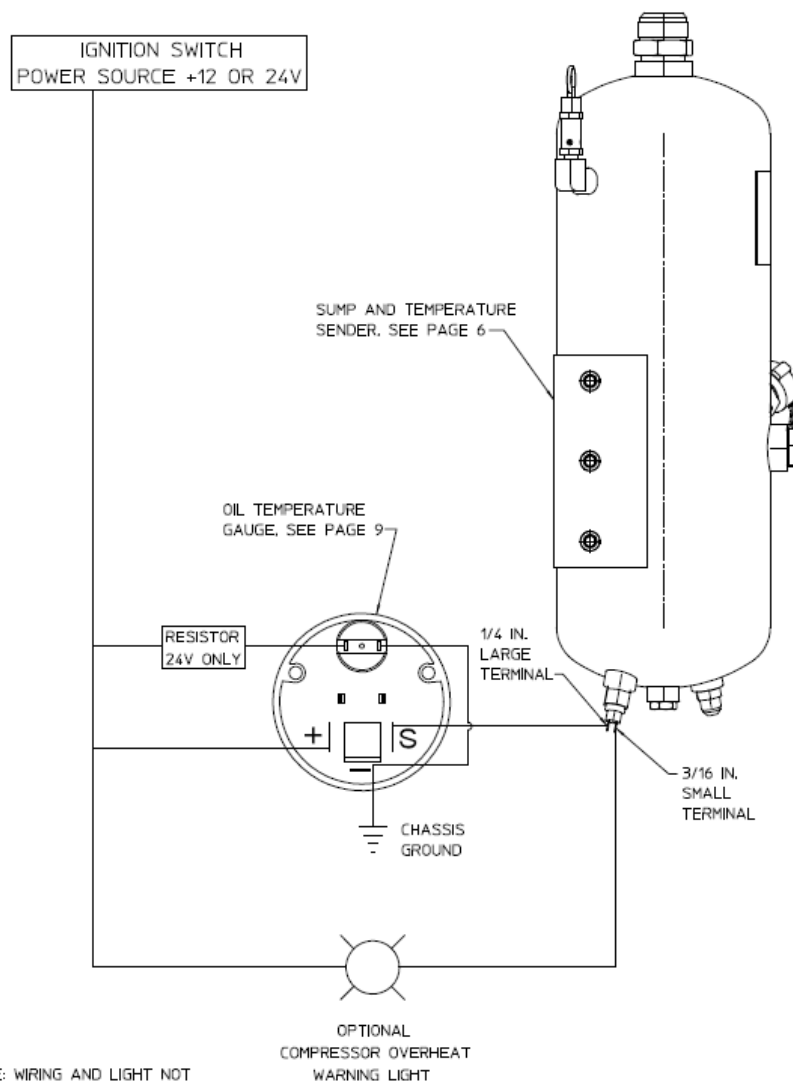
ALL DIMENSIONS SHOWN AS INCH/MILLIMETER

(
INCH
MILLIMETER)

OPTIONAL OIL INJECT CHECK VALVE
REQUIRED WHEN SUMP (OIL RESERVIOR) OIL LEVEL IS
12 IN./304.8mm OR MORE ABOVE COMPRESSOR DRIVELINE
ORDER PART NO. 83368-2B



HYDRAULIC SCHEMATIC

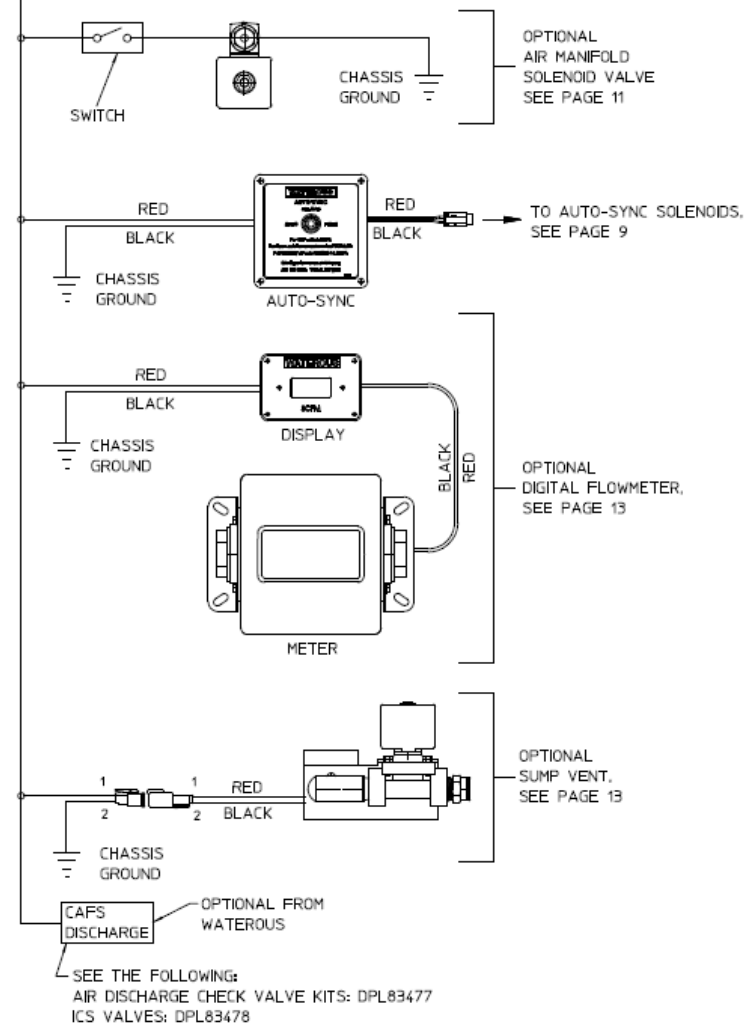


NOTE: WIRING AND LIGHT NOT
FURNISHED BY WATEROUS

NOTE: ALL WIRE 16 GAGE UNLESS NOTED OTHERWISE.

CAFS COMPRESSOR ENGAGE
POWER SOURCE +12 OR 24V

WIRING NOT IDENTIFIED BY
COLOR, SWITCHES AND LIGHTS
NOT FURNISHED BY WATEROUS



ELECTRICAL SCHEMATIC