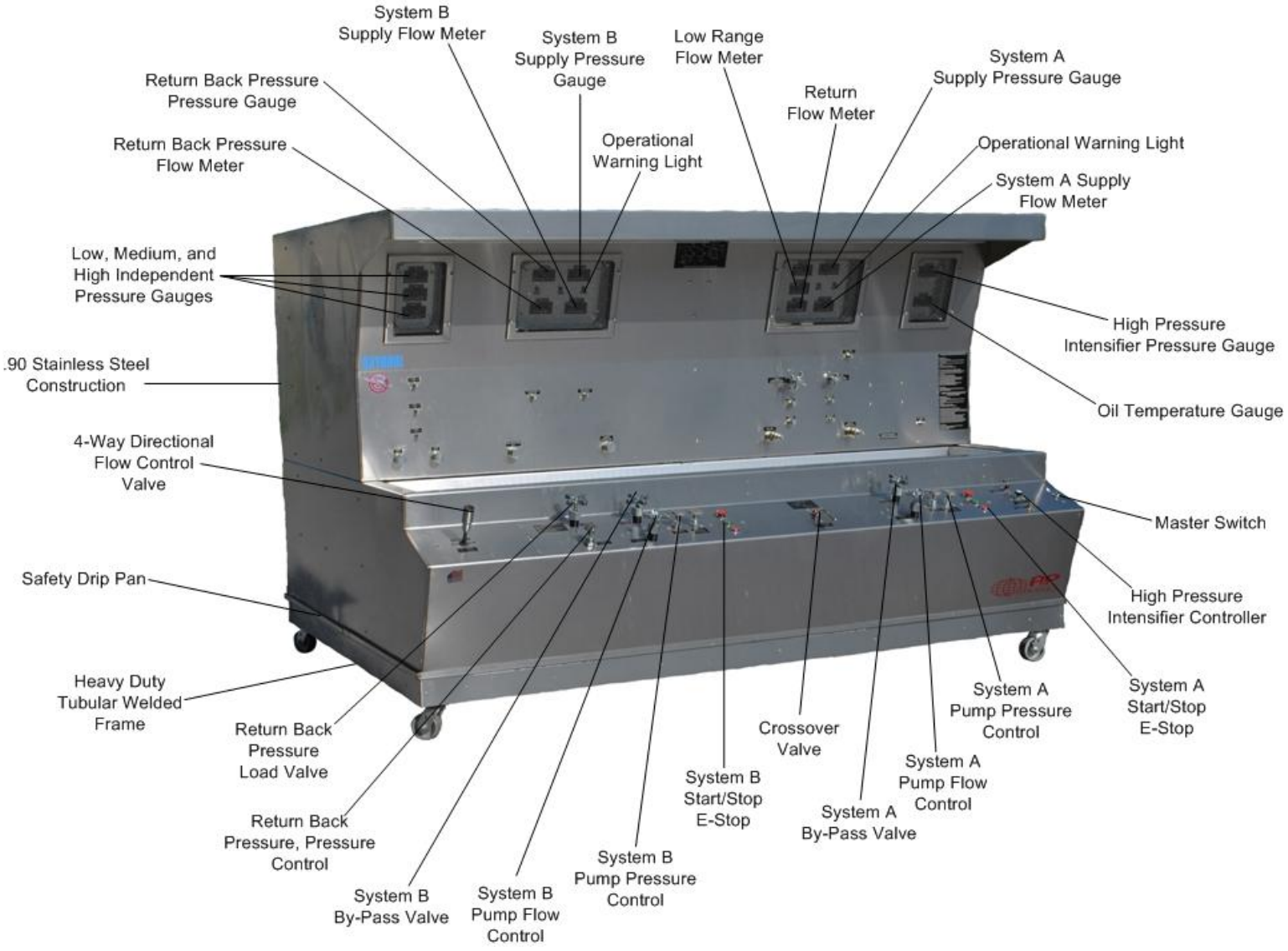
COMPLETELY INDEPENDENT DUAL SYSTEM HYDRAULIC TEST STAND

930 Series

2 Year Warranty

Our Competent Engineering Staff Ensures You are Provided with the Exact Hydraulic Testing Equipment for Current and Future Applications Which Will Increase Your Profitability



Model 07-932-05

Complete Hydraulic Test Stand, Featuring Dual Systems with High Pressure Intensifier

A&P HYDRAULICS
Engineered Fluid Power

9283 Industrial Blvd. Leland, NC 28451 USA
Voice 910.371.1151 Fax 910.371.1152
ap-hydraulics.com

930 Series

COMPLETELY INDEPENDENT DUAL SYSTEM HYDRAULIC TEST STAND

STANDARD FEATURES:

- **Completely Independent Dual System**
  - Each System May be Used Independently or Combined Together for Maximum Flows
  - Will Deliver Different Pressures and Flows Simultaneously
  - Two Separate Work Stations for System A & B

- **System A**
  1. Oilgear® Pump
  2. Lincoln® Motor
  3. Complete Pressure Adjustment (450 – 5000 PSI)
  4. Complete Flow Adjustment (0 – Full GPM)
  5. Pressure and Return Ports
  6. Digital Pressure Gauges (.25% Accuracy)
  7. Digital Supply and Return Flow Meters (1% Accuracy)
  8. Safety Over Pressure Relief Valve
  9. By-Pass Dump Valve
  10. Pump Flow Control Valve
  11. Pump Pressure Control Valve

- **System B**
  1. Oilgear® Pump
  2. Lincoln® Motor
  3. Complete Pressure Adjustment (450 – 5000 PSI)
  4. Complete Flow Adjustment (0 – Full GPM)
  5. Pressure and Return Ports
  6. Digital Pressure Gauges (.25% Accuracy)
  7. Digital Supply and Return Flow Meters (1% Accuracy)
  8. Safety Over Pressure Relief Valve
  9. By-Pass Dump Valve
  10. Pump Flow Control Valve
  11. Pump Pressure Control Valve

- **Five Pumps**
  1. Oilgear® System A Pressure Compensated Pump
  2. Oilgear® System B Pressure Compensated Pump
  3. S/C® High Pressure Intensifier Pump (10,000 PSI)
  4. Work Sink Drain Pump
  5. Reservoir Kidney Loop Pump

- **Instrumentation –** *All Gauges Feature Easy Programmability for Field Calibration*
  - **Five Digital Flow Meters (1% Accuracy)**
    1. System A Pump Supply Flow
    2. System B Pump Supply Flow
    3. System A Return Flow
    4. System B Return Flow
    5. Low Range (.4 – 7 GPM)
  - **Seven Digital Pressure Gauges (.25% Accuracy)**
    1. System A Supply Pressure
    2. System B Supply Pressure
    3. Return Back Pressure
    4. Low Independent Pressure Gauge
    5. Medium Independent Pressure Gauge
    6. High Independent Pressure Gauge
    7. Intensifier Pressure Gauge

- **Air Over Oil Intensifier**
  1. Digital Pressure Gauge (.25% Accuracy)
  2. Air Shut-Off Valve
  3. Air Regulator
  4. Safety Over Pressure Relief Valve
  5. By-Pass Dump Valve
  6. Dedicated Port

- **Safety Features**
  1. Two Ergonomically Located Emergency Stop Switches
  2. Safety Over Pressure Relief Valves for Both System A and B
  3. Safety Drip Pan Completely Covers Bottom to Ensure Clean Floors
  4. All Electrical Components Installed in NEMA 4, 12 Enclosure
  5. All Gauges are Fully Enclosed in NEMA 4. 12 Enclosure with a Clear Front Safety Glass Cover
  6. Operational LED Warning Indicator Lights
  7. Dual Heavy Duty Floor Locks to Ensure Stability
  8. Optional Safety Glass Sliding Doors for Work Sink

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- **Super Clean Filtration –** *Industry Leading Filtration Ensures Quality While Increasing Aircraft Component Life*
- System A & B High Efficiency, Non-Bypass Pressure Filters (3 Micron Absolute)
- Reservoir Kidney Loop Filter (3 Micron Absolute)
- Sink Drain Filter (3 Micron Absolute)
- Reservoir Fill Pump Filter (3 Micron Absolute)

- **4-Way Directional Flow Control Valve**
  Manually Operated 4-Way Directional Flow Control Valve with Complete Flow Control to Either Port A or Port B

- **Hedland® Digital Low Flow Return Meter** with Electric Selector Valve for Testing Internal Leakage of Components (.4 - 7 GPM Standard)

- **Operational Warning Lights**
  1. System A & B Pressure Filter Condition LED Warning Indicator for Clogged Conditions
  2. Kidney Loop Pump Filter Condition LED Warning Indicator
  3. Reservoir Low Level LED Warning Indicator
  4. High Fluid Temperature LED Warning Indicator

- **3 Each Stand Alone Noshock® Pressure Gauges (.25% Accuracy)**
  * Suggested Ranges 0-60 PSI, 0-1000 PSI, 0-7500 PSI
- Over Pressure Gauge Savers on All Gauges

- **Reservoir Kidney Loop Pump**
- Continuously Filters Fluid
- Continuously Cools Fluid

- **Automatic Oil Temperature Control**
- Panel Mounted Oil Temperature Set Point
- Digital Oil Temperature Gauge

- **Return Back Pressure for Dynamically Loading Components**
- Return Back Pressure By-Pass Valve
- Return Back Pressure, Pressure Adjustment Valve
- Return Back Pressure, Pressure Gauge
- Return Back Pressure Flow Meter

- **Additional Features**
- All Welded, 14 Gauge B3 (Brushed Finish) Stainless Steel Cabinet
- Illuminated Work Area Provided By Overhead Sink Light
- Test Port for all Pressure Gauges
- Easy Access Exterior Fluid Sampling Valve to Meet Quality Parameters
- Safety Drip Pan Completely Covers Bottom
- Work Sink with Perforated Metal Grating
- Heavy Duty All Welded 1/4" Think Wall Tubing Frame with Fork Lift Brackets
- Easy Maneuvering Ensured by Two Fixed and Two Swivel Castors with Stability Provided by the Heavy Duty Floor Lock
- Work Sink Drain Pump with Filter (4 GPM)
- Durable Laser Engraved, Aluminum Placards
- Panel Mounted Operational Instructions
- Current Pressure Gauge and Flow Meter Certificates of Calibration

Dimensions: Length 112" Width 80" Height 77"

SPECIFICATIONS:

SERIES MODEL	PUMP PRESSURE PSI (bar)	MOTOR COMBINED TOTAL HP (kw)	COMBINED TOTAL PUMP FLOW 50 Hz GPM (lpm)	COMBINED TOTAL PUMP FLOW 60 Hz GPM (lpm)	WEIGHT Lbs. (kg)
07-932-**	450 - 5000 PSI 30 - 340 bar	120 HP 88 kw	41 GPM 155 lpm	50 GPM 189 lpm	4700 lbs 2132 kg
07-934-**	450 - 5000 PSI 30 - 340 bar	150 HP 112 kw	54 GPM 204 lpm	65 GPM 246 lpm	5600 lbs 2540 kg
07-936-**	450 - 5000 PSI 30 - 340 bar	200 HP 149 kw	66 GPM 250 lpm	80 GPM 302 lpm	6400 lbs 2903 kg

**Model by Fluid Type: Mil-H-5606 = 02 Mil-H-83282 = 03 Skydrol = 05

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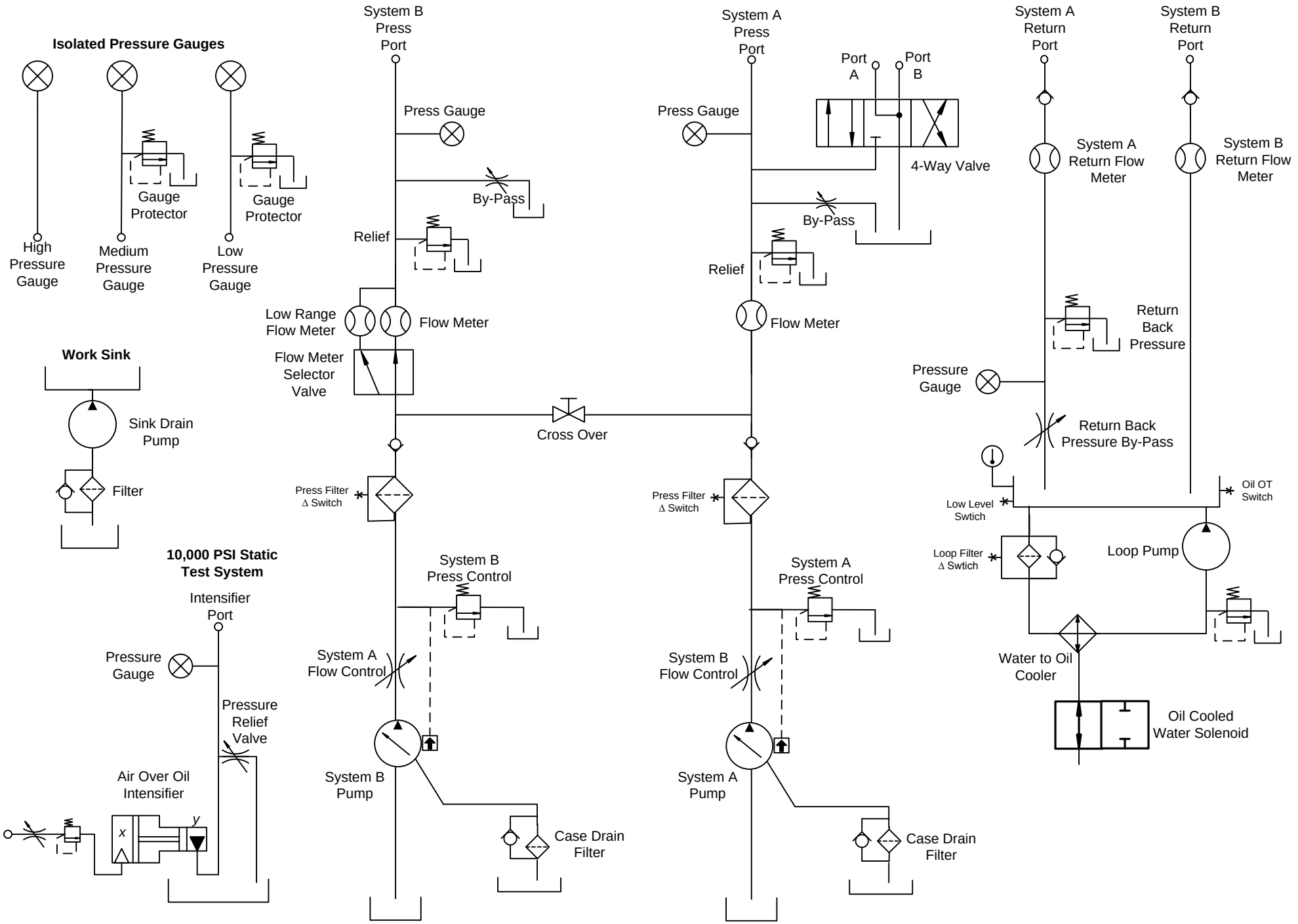

Series 930 Hydraulic Test Stand Schematic

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930 Series

Ordering Instructions

Step 1: Determine Size of the Hydraulic Test Stand Required, Refer to Aircraft's Component Overhaul Manuals For:
- A. Maximum (GPM) Gallons Per Minute
- B. Maximum (PSI) Pound Per Square Inch
- C. Testing Procedures and Operation of Components

Step 2: Refer to Aircraft's Component Overhaul Manuals for Type of Hydraulic Fluid.

Step 3: Determine the input voltage the Hydraulic Test Stand will be operated on. When ordering, the most common error is selecting incorrect input voltages 50 Hertz the flow will be reduced by 17%

Step 4: Call A&P Hydraulics experienced sales staff for any questions for explanation of the complete range of Hydraulic Test Stand Options that we offer.

EXAMPLE:
Hydraulic Test Stand – 50 GPM @ 5000 PSI – Skydrol Fluid – 460 Volt 60 Hertz 3 Phase
Optional: Extra Pressure Gauge (0-60 PSI) and Safety Glass Doors

0	7	-	9	3	2	-	0	5	-	3	-	A	C	-	J	J	-			-			-			-			-		

0	7	-				-	0		-		-				-				-			-			-			-			-		

Hydraulic Test Stand

CHAR	GPM	LPM	PSI	BAR	HP	KW
932	50	189	5000	340	120	88
934	65	246	5000	340	150	112
936	80	302	5000	340	200	149

CHAR	FLUID TYPE
2	Mil-H-5606
3	Mil-H-83282
5	Skydrol
6	Mil-PRF-87257

CHAR	VOLT/FREQ/PHASE
0	208V60Hz/3ph
1	220V60Hz/3ph
2	308V60Hz/3ph
3	460V60Hz/3ph
4	575V60Hz/3ph
5	200V50Hz/3ph
6	220V50Hz/3ph
7	380V50Hz/3ph
8	415V50Hz/3ph
9	440V50Hz/3ph

Isolated Digital Pressure Gauge with Port (.25% Accuracy)

CHAR	OPTION DESRICPTION
AB	Pressure Gauge (0-25 PSI)
AC	Pressure Gauge (0-60 PSI)
AD	Pressure Gauge (0-100 PSI)
AE	Pressure Gauge (0-500 PSI)
AF	Pressure Gauge (0-1000 PSI)
AG	Pressure Gauge (0-1500 PSI)
AH	Pressure Gauge (0-3000 PSI)
AI	Pressure Gauge (0-5000 PSI)
AK	Pressure Gauge 4-20ma Data Acquisition Output

Isolated Digital Flow Meter with Port (1% Accuracy)

CHAR	OPTION DESRICPTION
BC	Flow Meter (.02-0.2 GPM)
BD	Flow Meter (.05-0.5 GPM)
BE	Flow Meter (0.1-1.0 GPM)
BF	Flow Meter (0.2-2.0 GPM)
BG	Flow Meter (1-10 GPM)
BH	Flow Meter (1-15 GPM)
BI	Flow Meter (2-25 GPM)
BJ	Flow Meter (2-50 GPM)
BK	Flow Meter (4-80 GPM)
BL	Flow Meter 4-20ma Data Acquisition Output
BM	High Precision Digital Flow Meter (.25% Accuracy)

CHAR	OPTION DESRICPTION
JJ	Safety Glass Doors
KK	Custom Engineering
RR	Rear Door Sound Proofing
WW	Second Language Operation Placards & Owner's Manual
XX	CE Compliant

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