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ALL PNEUMATIC LINES AND HOSES MUST HAVE AN INSIDE DIAMETER OF 0.25"-0.31"

STARTER VALVE
M30-558-01

PILOT PRESSURE TO PNEUMATIC STARTER MAIN VALVE, NEUTRAL INTERLOCK

ALTERNATE HIGH EXHAUST GAS TEMPERATURE SHUTDOWN VALVE M250-541-01

LOW OIL PRESSURE SHUTDOWN VALVE M30-553-01

HIGH EXHAUST GAS TEMPERATURE SHUTDOWN VALVE M30-551-01

OPTIONAL TRIP INDICATOR M30-546-01

HIGH COOLANT TEMPERATURE SHUTDOWN VALVE M30-552-01

OPTIONAL TRIP INDICATOR M30-546-01

ENGINE OIL PRESSURE

OPERATION:

MACHINE STOPPED: THERE IS NO PILOT PRESSURE FROM THE ENGINE OIL PRESSURE AND FROM THE CONTROL PRESSURE. THE SPRING IN VALVE "A" HOLDS THE VALVE CLOSED AND PREVENTS THE ENGINE STARTER FROM BEING ACTIVATED.

MACHINE RUNNING: THERE IS PILOT PRESSURE FROM THE ENGINE OIL PRESSURE AND THE CONTROL PRESSURE. BOTH OFFSET EACH OTHER. THE SPRING IN VALVE "A" HOLDS THE VALVE CLOSED AND PREVENTS THE STARTER FROM BEING ACTIVATED WHILE THE ENGINE IS RUNNING.

STARTING: BY HOLDING THE OVERRIDE VALVE, THE CONTROL PRESSURE IS ACTIVATED AND OVERCOMES THE SPRING PRESSURE IN VALVE "A" TO OPEN THE VALVE AND ALLOWS ACTIVATING THE STARTER WITH VALVE "B" UNTIL THE OIL PRESSURE BUILDS UP.

ANY OPTIONAL SHUTDOWN VALVE INSTALLED WILL NOT ADVERSELY AFFECT THE PERFORMANCE OF THE SAFETY SHUTDOWN SYSTEM. ANY OPTIONAL VALVE INSTALLED MUST PERFORM TO SHUTDOWN THE ENGINE.

CONTROL PRESSURE SIGNAL ACTIVATED BY:
1: PRESSURE FROM STARTING OVERRIDE
2: SYSTEM PRESSURE WHEN OPERATING

COMPLETE PANEL WITH FILTER & SHUT-OFF VALVE
M500-526-01

CONTROL PRESSURE SET AT 30-40 PSI

PRESSURE REDUCING VALVE W/GAUGE
M250-561-01

MAIN CONTROL VALVE
M30-555-01

PRESSURE GAUGE
M250-560-01

0.031" ORIFICE
M30-556-01

0.062" ORIFICE
M30-548-01

FIRE SUPP. VALVE
M30-555-11
* SEE NOTE

PRESSURE GAUGE
M250-560-01

AIR TANK (BUFFER)
M30-549-01

(5) CHECK VALVE
M30-550-01

OPTIONAL PRESS REDUCING VALVE
M250-562-01

OPT PRESS GAUGE
M250-560-01

FILTER
M201-580-01

OPTIONAL MANUAL SHUT-OFF VALVE

FILTER & REG. ASSY
M201-579-01

REF: VENT
M150-592-01

OVERRIDE VALVE
M30-558-01

FUEL SHUT-OFF CYLINDER
M250-502-01

BREATHER
M600-821-01

OPTIONAL METHANE MONITOR SHUTDOWN VALVE, MINIMUM DISCHARGE ORIFICE DIAMETER 0.094 (3/32) INCHES

OPTIONAL SHUTDOWN VALVE(S)

OPTIONAL REMOTE MOUNTED RUN-STOP VALVE M30-547-01

OPTIONAL REMOTE MOUNTED RUN-STOP VALVE M30-547-01

SIGNAL FROM FIRE SUPPRESSION SYSTEM

OPTIONAL REMOTE MOUNTED EMERGENCY SHUTDOWN FOR INTAKE AIR VALVE
M30-547-01

EMERGENCY SHUTDOWN FOR INTAKE AIR VALVE
M30-547-01

INTAKE AIR EMERGENCY SHUT-OFF VALVE (BUTTERFLY VALVE)
M30-577-01
Alternate
M250-544-01

TO OPTIONAL WARNING SYSTEM
M250-014-11

(* FIRE SUPPRESSION VALVE: ANY COMPONENT WHICH CAN AFFECT THE OPERATION OF THE FIRE SUPPRESSION SYSTEM MUST BE A COMPONENT WHICH IS PART OF THE MANUFACTURERS LISTING OR APPROVAL

SECTION 6-02 SERIAL NO M600001 TO M600030

TOLERANCES	
Linear unless noted	
Machined: ±0.005	
Fabricated: ±0.02	
Angular: ±1/2°	
Surface finish 125	

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DESCRIPTION		SHUTDOWN SYSTEM		NO	REV
SCALE	DATE	DRAWN BY	APPROVED BY	1	
FULL	18 May 05	R GIBBS			
MATERIAL		MATERIAL			
See Detail Drawings					
PART NO		PART NO			
M250-007-01					

