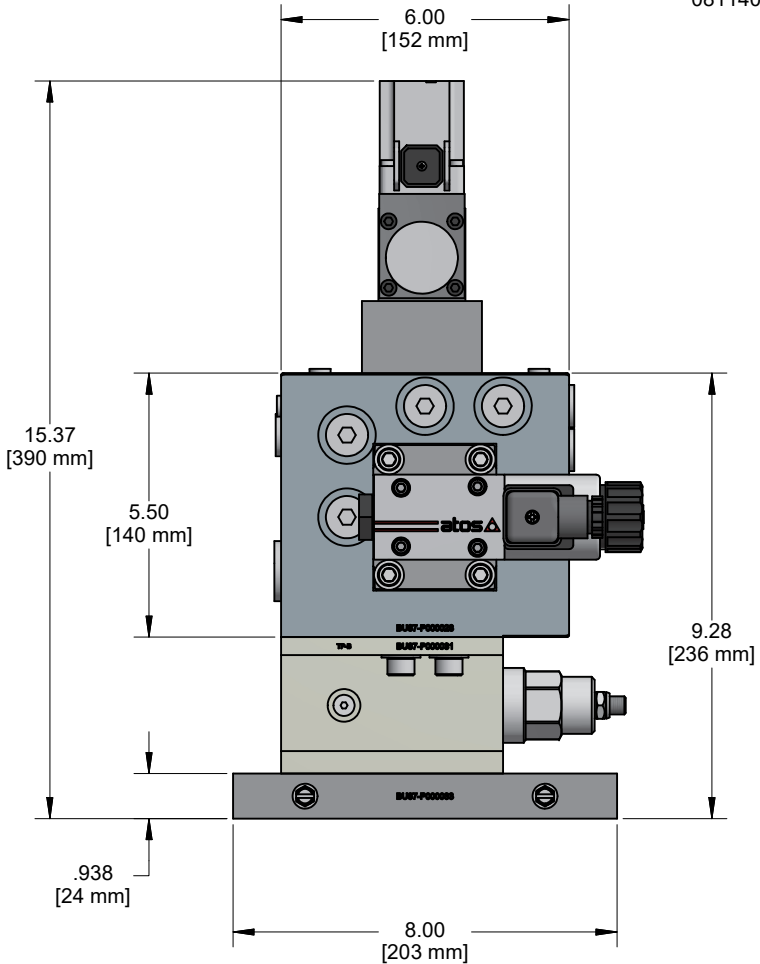
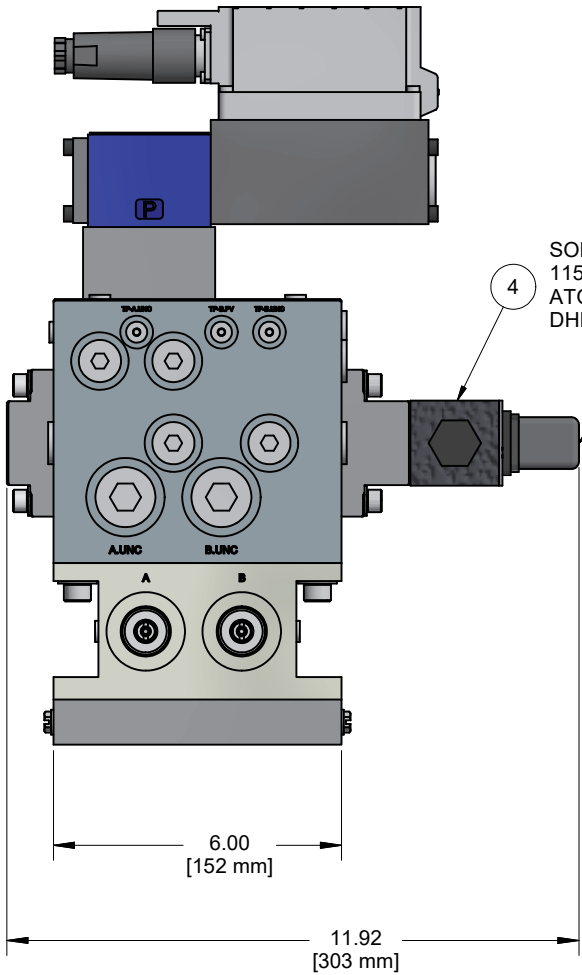


PARTS LIST - RMC-005-D03					
ITEM	QTY	PART NUMBER	DESCRIPTION	VENDOR	
1	1	BU87-A000028	MANIFOLD ASSEMBLY, SERVO CONTROL, D05, SHUTTLE TYPE	CASE RMC	
2	1	BU87-A000031	MANIFOLD ASSEMBLY, ADAPTER, D05, WITH TIMING VALVES, TYPE 1	CASE RMC	
3	1	BU87-A000034	VALVE ASSEMBLY, PROPORTIONAL, 40 LPM	CASE RMC	
4	1	BU87-A000010	VALVE ASSEMBLY, SOLENOID	CASE RMC	
5	1	AD03D05VAAB	MANIFOLD, VALVE ADAPTER D03 TO D05	DAMAN PRODUCTS COMPANY, INC.	

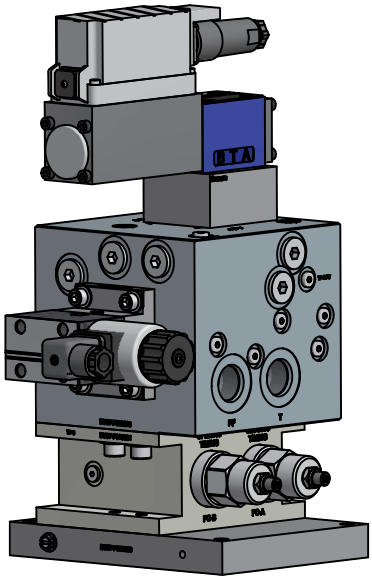
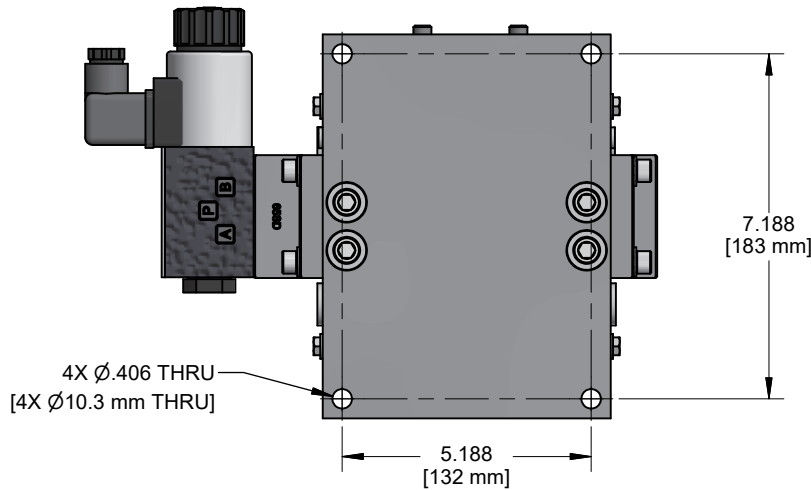
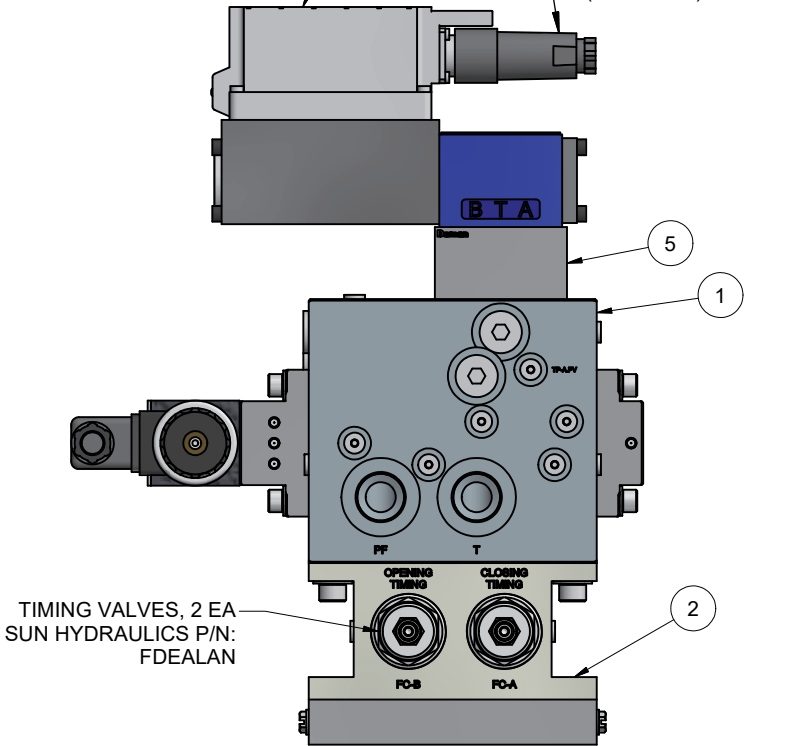
NOTES:
1. UNLESS OTHERWISE SPECIFIED,
ALL DIMENSIONS SHOWN FOR
REFERENCE ONLY.



PROPORTIONAL VALVE
BOSCH-REXROTH P/N:
R901382354 4WRPEH6CB40L-3X/M/24F1
OR
0811404640 4WRPEH6CB40L-2X/G24K0/F1M

3

CONNECTOR, 7PIN
BOSCH-REXROTH P/N
R900021267
(SUPPLIED)



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REVISION	CHANGE DESCRIPTION	APPROVED BY	DATE
NEW	NEW RELEASE	T. GERLER	10/17/2019

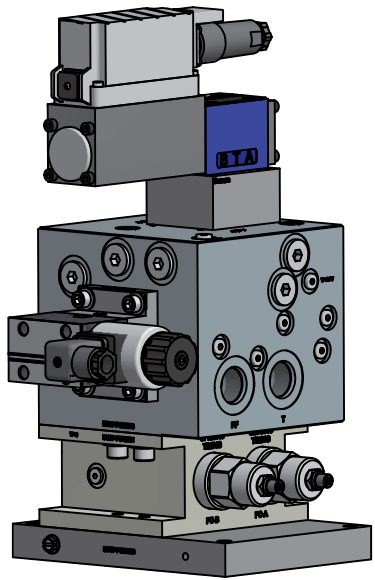
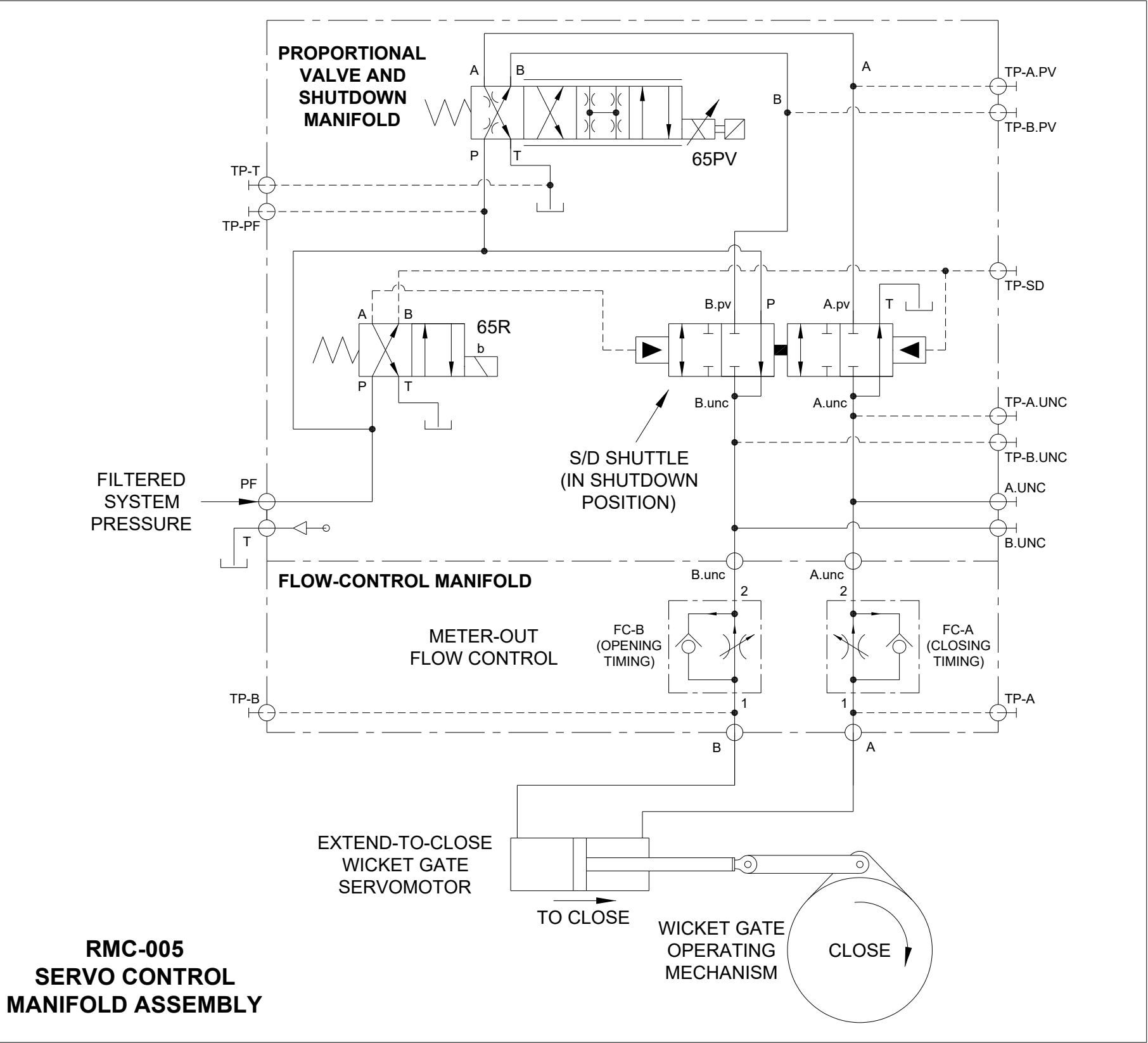
PAGE DESCRIPTION

CUSTOMER INFORMATION

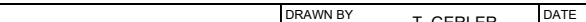
CASE RMC
ROTATING MACHINERY CONTROLS
a Wunderlich-Malec Company

DRAWN BY	T. GERLER	DATE	10/17/2019	SIZE	D
CHECKED BY	T. GERLER	DATE	10/17/2019	SCALE	NTS
APPROVED BY	T. GERLER	DATE	10/17/2019	DWG. SET TOTAL NO. OF PGS.	3

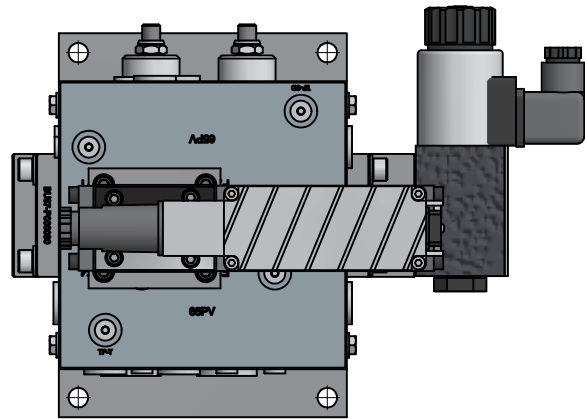
TITLE		D05 SERVO CONTROL SHUTTLE MANIFOLD, WITH D03 PROPORTIONAL VALVE	
DRAWING NUMBER		RMC-005-D03	REV
SHEET		1 OF 3	NEW



NOTES:
1. TYPICAL APPLICATION SHOWN.

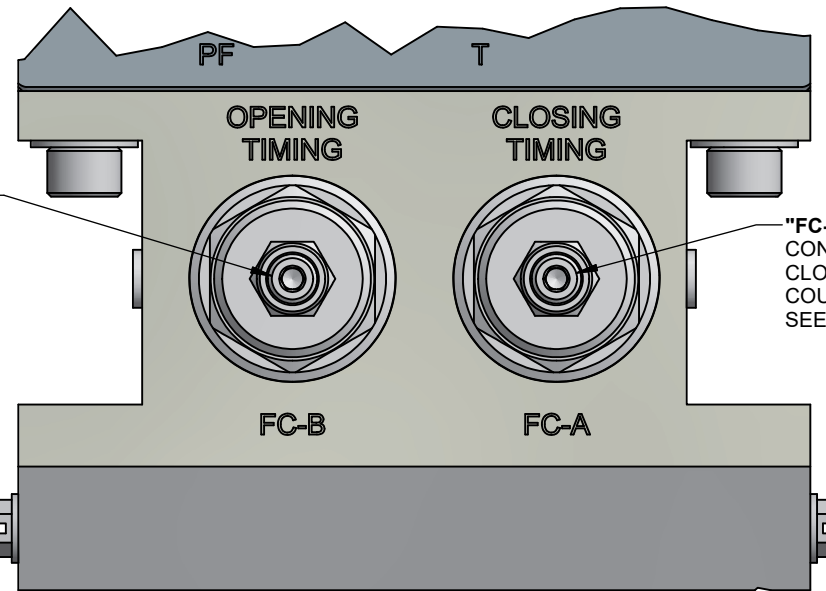
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REVISION	CHANGE DESCRIPTION		APPROVED BY	DATE	CUSTOMER INFORMATION		DRAWN BY	T. GERLER	DATE	10/17/2019	SIZE	D	TITLE D05 SERVO CONTROL SHUTTLE MANIFOLD, WITH D03 PROPORTIONAL VALVE			
NEW	NEW RELEASE		T. GERLER	10/17/2019			CHECKED BY	T. GERLER	DATE	10/17/2019	SCALE	NTS				
PAGE DESCRIPTION							APPROVED BY	T. GERLER	DATE	10/17/2019	DWG. SET TOTAL NO. OF PGS. 3		DRAWING NUMBER RMC-005-D03		SHEET 2 OF 3	REV NEW





"FC-B" - FLOW CONTROL VALVE
CONTROLS OPENING TIMING
CLOCKWISE DECREASES FLOW
COUNTERCLOCKWISE INCREASES FLOW
SEE NOTE 5

4X GROUNDING SCREW
1/4"-20 THREAD, 3/8" WRENCH



"FC-A" - FLOW CONTROL VALVE
CONTROLS CLOSING TIMING
CLOCKWISE DECREASES FLOW
COUNTERCLOCKWISE INCREASES FLOW
SEE NOTE 5

DETAIL A

"65PV" - PROPORTIONAL VALVE
4-20 mA SET SIGNAL
4 mA = FULL CLOSING SIGNAL
12 mA = NULL CURRENT SIGNAL
(HOLD POSITION)
20 mA = FULL OPENING SIGNAL
D03 (ISO 4401 SIZE 06)
40 LITER/MIN NOMINAL

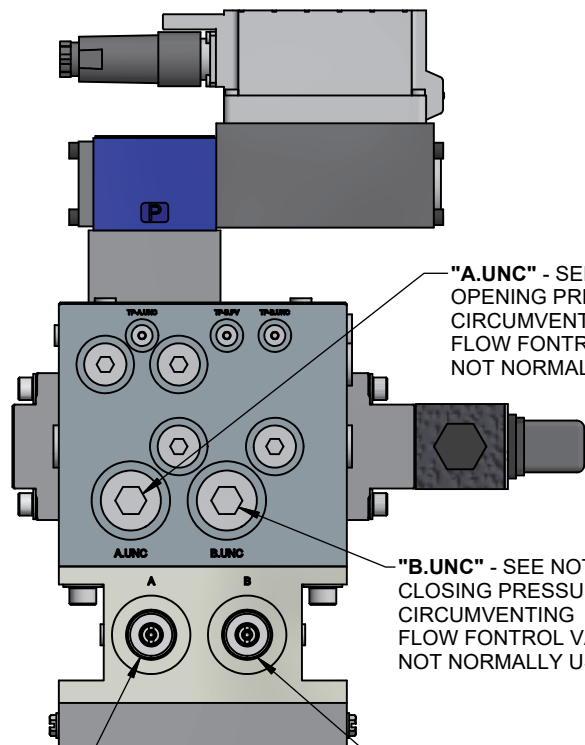
"65R" - SOLENOID VALVE
115 V 60 HZ AC
SEE NOTE 3 AND NOTE 4
D03 (ISO 4401 SIZE 06)
(DC SOLENOID SHOWN,
AC SOLENOID SUPPLIED)

MANIFOLD PART NUMBER
SEE NOTE 3 AND NOTE 4

"PF" - SEE NOTE 1
FILTERED OIL
PRESSURE SUPPLY
OIL CLEANLINESS
ISO 18/16/13 (OR BETTER)

"TP-B" - SEE NOTE 2
CLOSING PRESSURE OUT
(BETWEEN FLOW CONTROL
VALVE AND SERVOMOTOR)

"T" - SEE NOTE 1
DRAIN CONNECTION

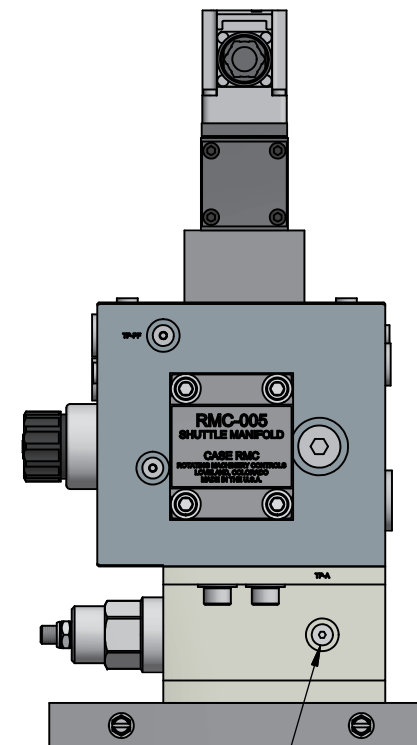


"A.UNC" - SEE NOTE 1
OPENING PRESSURE
CIRCUMVENTING
FLOW FONTROL VALVE
NOT NORMALLY USED

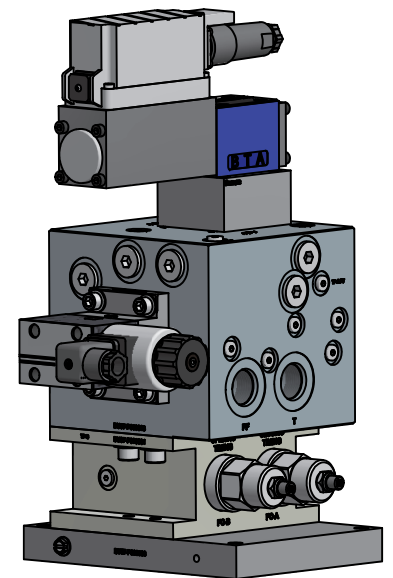
"B.UNC" - SEE NOTE 1
CLOSING PRESSURE
CIRCUMVENTING
FLOW FONTROL VALVE
NOT NORMALLY USED

"A" - SEE NOTE 1
OPENING PRESSURE OUT
CONNECTION TO OPENING
SIDE OF SERVOMOTOR

"B" - SEE NOTE 1
CLOSING PRESSURE OUT
CONNECTION TO CLOSING
SIDE OF SERVOMOTOR



"TP-A" - SEE NOTE 2
OPENING PRESSURE OUT
(BETWEEN FLOW CONTROL
VALVE AND SERVOMOTOR)



NOTES:

- 12 SAE O-RING PORT, 1-1/16"-12 THREAD. MAIN PLUMBING CONNECTIONS. FOR 3/4" NOMINAL TUBE SIZE.
- 2 SAE O-RING PORT, 5/16"-24 THREAD. TEST PRESSURE CONNECTIONS. FOR 1/8" NOMINAL TUBE SIZE. SUGGESTED USE: INSTALL JUMP-SIZE STRAIGHT THREAD CONNECTOR, CONVERTING TO 1/4" TUBE SIZE AND PLUMB TO REMOTE PRESSURE GAUGE AND/OR PRESSURE TRANSDUCER (NOT INCLUDED).
- SOLENOID VALVE NORMALLY INSTALLED ON THE SAME SIDE OF THE MANIFOLD AS THE MANIFOLD PART NUMBER, AND IS: **"ENERGIZED-TO-RUN" - 65R**. (SOLENOID VALVE CAN ALSO BE INSTALLED ON THE OPPOSITE SIDE OF THE MANIFOLD, AND IN THIS LOCATION IS: **"ENERGIZE-TO-SHUTDOWN" - 65SD**.)
- TP-SD - SHUTDOWN TEST PRESSURE. WITH SOLENOID VALVE INSTALLED ON THE SAME SIDE AS MANIFOLD PART NUMBER (65R), **PRESSURE IN THIS PORT INDICATES THE MANIFOLD IS IN THE "SHUTDOWN STATE"**. (IF THE SOLENOID VALVE IS INSTALLED ON THE OPPOSITE SIDE OF THE MANIFOLD (65SD). PRESSURE IN THIS PORT INDICATES THE MANIFOLD IS IN THE "RUN STATE".)
- FULLY ADJUSTABLE PRESSURE COMPENSATED FLOW CONTROL VALVE WITH REVERSE FLOW CHECK VALVE. SUN HYDRAULICS FDEA-LAN, FLOW CAPACITY: 25 GPM. ADJUSTMENT SCREW INTERNAL HEX 5/32", LOCKNUT HEX 9/16". FIVE (5) TURNS OF ADJUSTMENT SCREW FROM FULL CLOSED TO FULL OPEN. FACTORY SETTING - ONE (1) TURN FROM FULL CLOSED, FOUR (4) TURNS FROM FULL OPEN.

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PAGE DESCRIPTION			

CUSTOMER INFORMATION



DRAWN BY	T. GERLER	DATE	10/17/2019	SIZE	D	TITLE	D05 SERVO CONTROL SHUTTLE MANIFOLD, WITH D03 PROPORTIONAL VALVE		
CHECKED BY	T. GERLER	DATE	10/17/2019	SCALE	NTS				
APPROVED BY	T. GERLER	DATE	10/17/2019			DWG. SET TOTAL NO. OF PGS.	DRAWING NUMBER	SHEET	REV
						3	RMC-005-D03	3 OF 3	NEW