



## M&W Manufacturing

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### GENERAL INFO. SHEET

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(THIS INFORMATION HAS BEEN PROVIDED IN ORDER TO SPEED UP QUOTING AND DESIGN TIME AND TO ELIMINATE UNNECESSARY CALL-BACKS. ALL INFO. LISTED BELOW IS HELPFUL, BUT NOT ALL IS NECESSARY IN THE QUOTING OF THE MANIFOLD.)

#### PROTOTYPE PROCESS

- 1 AFTER RECEIVING RFQ INFORMATION A QUOTE CAN GENERALLY BE GIVEN WITHIN TWO TO THREE DAYS.
- 2 ALL QUOTES ARE BASED ON SIZE OF MATERIAL, TYPE OF MATERIAL, PLATING, NUMBER OF HOLES, ANY REQUIRED PLUGS OR ANGLE HOLES, AND ANY SPECIAL TOOLING THAT IS REQUIRED TO MANUFACTURE THE MANIFOLD.
- 3 AFTER ORDER IS RECEIVED AN APPROVAL DRAWING IS E-MAILED OR FAXED TO THE CUSTOMER.
- 4 AT THIS POINT ANY CHANGES TO THE APPROVAL DRAWING SHOULD BE MADE.
- 5 M&W WILL THEN MAKE THOSE CHANGES AND REISSUE APPROVAL DRAWING TO THE CUSTOMER.
- 6 AFTER FINAL APPROVAL A SHOP DRAWING IS MADE AND THE MANIFOLD IS MANUFACTURED.

#### INFORMATION THAT SHOULD BE SENT TO M&W FOR QUOTATION PURPOSES

IF A MACHINING PRINT OF THE MANIFOLD IS SUPPLIED, ONLY PAGE 1 OF THE "MANIFOLD RFQ FORM" IS NEEDED.

IF M&W NEEDS TO DESIGN THE MANIFOLD THE FOLLOWING INFO SHOULD BE SUPPLIED:

- 1 A SCHEMATIC WITH BILL OF MATERIALS
- 2 PAGE 1 AND 2 OF THE "MANIFOLD RFQ FORM". PAGE 3 IS A WORKSHEET. FILL OUT AND SUBMIT IF NECESSARY.
- 3 SPECIFICATION SHEETS SHOWING CAVITY DETAILS OR MOUNTING SURFACES FOR NEW VALVES OR VALVES THAT ARE NOT LISTED IN THE FOLLOWING CATALOGS: SUN, HYDRAFORCE, VICKERS, HYDAC, STERLING, REXROTH, BOSCH, WATERMAN, DANFOSS, DELTA, COMMAND, COMPACT, PARKER AND OILGEAR.

#### CIRCUIT CHECKLIST

##### **ALL CIRCUITS SHOULD INDICATE:**

- 1 VALVE IDENTIFICATION AND ASSOCIATED CAVITY/ MOUNTING SURFACE TYPE.
- 2 NOTE THE PORT NUMBERS/LETTERS OF THE CAVITIES/MOUNTING SURFACES AND WRITE THEM ON THE SCHEMATIC. IT IS IMPORTANT TO CLEARLY SHOW THE HYDRAULIC SYSTEMS' LOGIC BY LISTING EACH VALVES' PORT NUMBERS AS 1, 2, 3, ETC. AND LISTING THE CAVITY TYPE. THIS ELIMINATES ANY CONFUSION
- 3 ALL FLOW RATES AND PRESSURES - MAXIMUM AND OPERATING.
- 4 CRITICAL AREAS WHERE LOW PRESSURE DROP IS NEEDED.
- 5 PORT SIZES, TYPES, AND ASSOCIATED MARKINGS.

#### PORT MARKINGS

**A & B** - OUTLET OR CYLINDER PORTS MAY BE MARKED AS A1, B1, A2, ETC., TO INDICATE THE VALVE SECTION IT SERVES.

**D** - DRAIN PORT. THIS PORT MUST NOT BE SUBJECTED TO RESTRICTION OR BACK PRESSURE.

**P,P1,P2** - PRESSURE INLET.

**T or R** - TANK RETURN LINE

**1,2,3, ETC** - USED TO IDENTIFY VALVES

**X & Y** - (X) PILOT SUPPLY (Y) MAY INDICATE DRAIN FROM A HYDRAULIC VALVE

**G** - GAUGE, MAY BE MARKED AS G1, G2, GA, GB, ETC. TO INDICATE THE WORKING PORT THAT IT SAMPLES.

#### GENERAL NOTES:

- 1 MANIFOLD ASSEMBLED WITH CONSTRUCTION PLUGS, O-RINGS, AND ORIFICE PLUGS UNLESS OTHERWISE NOTED.
- 2 ALL TESTING IS TO BE DONE BY THE CUSTOMER.
- 3 EXTRA CHARGE FOR ASSEMBLY DRAWINGS SHOWING VALVES.