

Product Tips and Features

Bar Manifolds

1. Standard materials are Aluminum and Ductile Iron. Other materials including Mild Steel or Stainless Steel are optionally available.
2. Special Finishes including Black Oxide, Electroless Nickel Plating or Anodizing are optionally available.
3. Internal galleries are equal to or greater than the nominal port connection in order to minimize pressure drops and fluid velocities.
4. Port spacing and edge distance is maximized in order to ensure easier installation and servicing. This wider spacing requires larger or different cross-sections than typically found on some models.
5. P to T Relief cavities in Sun and Common Cavity form are standard options, while the ISO and other types are non-standard options.
6. No variation in the design layout for each Model regardless of Port Code.
7. Manifolds with Flange Ports are available with UNC mounting threads and SAE Ports or with Metric mounting threads and Metric Ports as standard.
8. UNC or Metric Mounting Bracket Kits are Standard. Four-Bolt Mounting Option for vertically mounting D03 and D05 Standard Flow Parallel Manifolds to the reservoir top and improved performance is available.
9. Common Drain Ports where offered are supplied on both ends of the manifolds for ease of installation and connecting a series of manifolds without the need of tees or elbows.
10. Independent Pilot Pressure Ports are standard options. Common Pilot Pressure Ports are available as a Standard Option for D05H(E) High Flow and Very High Flow Manifolds and as a Non-Standard Option for D07, D08 and D10 Manifolds.
11. Dual Tank Ports on the interface of all D05H and D05HE High Flow and Very High Flow Manifolds with X & Y ensures maximum valve performance unlike many competitor products.
12. Pilot Port adapters for any D05 manifold ease the installation of any D05H and D05HE Two-Stage valves. Only order the number of stations required. Please note these adapters are best suited on the ends of the manifold.
13. "P" and "T" port isolations are available for manifolds up to 10 stations. A second gauge port is provided with "P" port isolations when possible. See chart on Page 1.00.02 for coding option.

WE RESERVE THE RIGHT TO DISCONTINUE MODELS, OR CHANGE SPECIFICATIONS WITHOUT NOTICE OR INCURRING OBLIGATION

Lynch Products Can Be Modified to Suit Your Application

Phone: 1 (888) 626-4365 or + 1 (905) 363-2400 Fax: 1 (800) 263-5807 www.lynch.ca sales@lynch.ca

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ISOLATION PORT CODES

When isolations are required in the pressure or tank ports for any Bar Manifold, the final two letters in the part number need to be modified as per the chart below. The second last character identifies the pressure port isolation and the last character identifies the tank port isolations.

For Example: "P" Port Code =  "T" Port Code

- BA03GPS04SDUAAA** is a Four Station Standard Flow D03 Parallel Circuit Manifold with SAE Ports, no isolations and no Relief Cavity
- BA03GPS04SDUCAAA** is as 1) with the Sun T-10A Relief Cavity Option
- BA03GPS04SDUCACA** is as 2) with Pressure Port Isolation only between Stations 2 & 3 of this Four Station Manifold. The Relief Cavity is left of the isolation as viewed from the A & B working ports.
- BA03GPS04SDUCATT** is as 2) with Pressure and Tank Port Isolations between Stations 3 & 4, and Two Sun T-10A Relief Cavities, one on each side of the isolations.
- BA03GPS04SDUAACB** is as 1) with Pressure Port Isolation between Stations 2 & 3 and Tank Port Isolation between Stations 1 & 2.

Isolation Location	CODE	Relief Location	CODE	Relief Location	CODE	Relief Location
None	A	Standard				
01 - 02	B	Left or None	J	Right	R	Both Sides
02 - 03	C	Left or None	K	Right	S	Both Sides
03 - 04	D	Left or None	L	Right	T	Both Sides
04 - 05	E	Left or None	M	Right	U	Both Sides
05 - 06	F	Left or None	N	Right	V	Both Sides
06 - 07	G	Left or None	O	Right	W	Both Sides
07 - 08	H	Left or None	P	Right	X	Both Sides
08 - 09	I	Left or None	Q	Right	Y	Both Sides
09 - 10	2	Left or None	5	Right	Z	Both Sides
10 - 11	3	Left or None	6	Right	8	Both Sides
11 - 12	4	Left or None	7	Right	9	Both Sides

Note: All Part Number combinations may not be possible.
Please consult the factory to confirm your application requirements.

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NON-STANDARD OPTIONS & ACCESSORIES

1. Some single station manifolds are too narrow to accommodate a gauge port. If a gauge port is required, please request the wide spacing option.
For Example: BA03GPT01SDUAAAA is an aluminum D03 single station manifold with gauge port.
2. Some applications require smaller work ports than the standard model. Many bar manifolds can be supplied with work ports one size smaller than the standard shown in the catalog.
For Example: BA03GPS03SCUAAAA is an aluminum D03 three station manifold with SAE 6 A & B ports and all other ports per the standard option. Contact the Factory for model numbers available.
3. Custom modifications include gauge ports opposite all work ports. Contact the Factory for model numbers available.
4. Special manifolds with dual work ports are available. Contact the Factory for model numbers available.
5. Contact the Factory for part numbers of D07, D08 and D10 Bar Manifolds with over-sized interface ports to match many high-performance proportional valves.
6. Most manifolds can be supplied with a 4 or 6 bolt mounting on the ends for vertical installations or tank top mounting. Contact the Factory for models and mounting adapters available.
7. D05 High Flow and Very High Flow Bar Manifolds are available with the "L" port option. Contact the Factory for Part numbers.
8. Two station valve adapters for two-speed function are standard products in D03 thru D08 sizes. Contact the Factory for model numbers available. Please refer to Section 10 for the LYNCH standard sandwich modules "RM series" that eliminate the need for a second station, flow control and solenoid valve. These modules are available on P, A, B or T in M/I or M/O options for D03 thru D08.
9. Many manifold series can be supplied in an all-metric format. This series uses materials with standard metric cross-sections and all critical spacing on standard metric dimensions.

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