

Designing the Air Manifold System

Now that the air system information has been collected, start configuring the F/R Manifold System.

| Part No. | Description | Quantity |
|----------|-------------|----------|
|----------|-------------|----------|

Select for Drop leg piping, if needed:

| | | |
|-----------|---------------|-------|
| 1030-1170 | 1/2" drop leg | _____ |
| 1030-1171 | 3/4" drop leg | _____ |
| 1030-1172 | 1" drop leg | _____ |

Select Adapter block, if needed (Only if the piping is a different size than the main manifold):

| | | |
|---------------------------------------------|--------------|-------|
| Connect - 1/2" piping to 3/8" F/R manifold. | | |
| 1030-1166 | 1/2" adapter | _____ |
| Connect - 3/4" piping to 1/2" F/R manifold. | | |
| 1030-1159 | 3/4" adapter | _____ |

Select Main Filter/Regulator system and a manifold with two quick couplers and plugs:

| | | |
|-----------|------------------|-------|
| 1030-0005 | 3/8" F/R 53 CFM | _____ |
| 1030-0006 | 1/2" F/R 106 CFM | _____ |

Select total number of couplers and aluminum manifold parts for tools and lines:

| | |
|---------------------------|-------|
| 3/8" F/R 53 CFM (max. 3) | _____ |
| 1/2" F/R 106 CFM (max. 4) | _____ |

Additional plugs can be added to match the threads on the different tools (see next page).

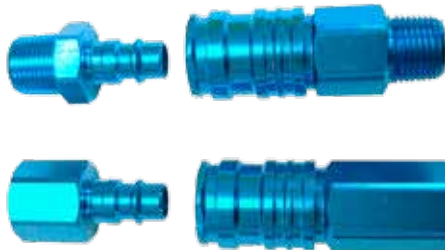
Each system is designed and assembled for the specific layout/needs of the enduser's shop. To ensure the system is configured correctly, upon receipt of the order, the purchaser will receive a confirmation call from the Tool Dept.

For assistance designing a system, contact us at 800-648-7229 ext. 505.

Upgrading A System

Alpha® offers replacement Hi-Flow couplers and plugs which have a 1/4" body and are capable of a 50 to 70 CFM flow rate. If your existing air system is working properly, and you want to only replace the quick couplers and plugs, refer to the below chart.

| Part No. | Description |
|-----------|-------------------------|
| 1030-1085 | Coupler 1/4" Female NPT |
| 1030-1086 | Coupler 1/4" Male NPT |
| 1030-1087 | Plug 1/4" Female NPT |
| 1030-1088 | Plug 1/4" Male NPT |
| 1030-1089 | Coupler 3/8"Female NPT |
| 1030-1090 | Coupler 3/8" Male NPT |
| 1030-1091 | Plug 3/8"Female NPT |
| 1030-1092 | Plug 3/8"Male NPT |
| 1030-1093 | Coupler 1/2"Female NPT |
| 1030-1094 | Coupler 1/2" Male NPT |
| 1030-1095 | Plug 1/2" Female NPT |
| 1030-1096 | Plug 1/2"Male NPT |



HELP DESK
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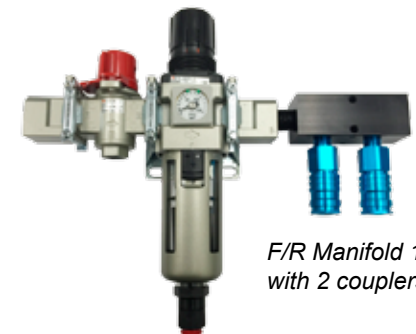
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Pneumatic Tool System Accessories & Solutions

- Do you have water or contamination in your air system?
- Are you running air tools directly off your compressor?
- Do you know what's inside your couplers and pipes?

Our new Filter/Regulator Manifold Systems can help eliminate these issues with your air system and increase the life of your air tools.



F/R Manifold 1
with 2 couplers

*Providing Better Solutions
to the Professional*

Why do you need an Air Manifold System?

Having a Filter/Regulator helps prevent pressure drops when using a large volume of air, so you can set the pressure to the tools at 85 PSI, while the main system can run at 125 PSI. The F/R unit will also remove any water from the air supply while also filtering the air of contamination down to five microns. The Alpha® F/R Manifold System comes in two sizes (53 CFM & 106 CFM) and is designed for installation at the point of use. The system consists of a Filter/Regulator, a shut off/dump valve, and a brass manifold with two or more aluminum couplers and plugs. By only using aluminum after the F/R unit, you are eliminating any rust and contamination from getting into the air tools.

F/R Manifold 1 (Part No. 1030-0005)

A 3/8" NPT manifold that is capable of 53 CFM. This system can run 2-3 AIR-658/680 polishers.

F/R Manifold 2 (Part No. 1030-0006)

A 1/2" NPT manifold that is capable of 106 CFM. This system can run our PSC-150 along with 2-3 AIR-658/680 polishers.

These F/R manifolds are custom-configured to adapt to the existing piping, and to help eliminate some of the common issues affecting air systems.

They are available through our distributor network, and via our website.

NEW HOSES AVAILABLE

With the release of the new AIR-680, Alpha® will offer new flexible hoses which can be retrofitted to existing AIR-658 polishers. These new hoses are made of Flexzilla and are all-weather flexible down to -40F.

The standard size is 15 ft. Other lengths are available upon request.



Components

Filter/Regulator 3/8" or 1/2" NPT



Adapter Blocks (to connect to piping)



Coupler and Air Manifold Assembly

2-, 3- & 4-port manifolds available



2- & 3-port Air Manifolds with Hi-Flow couplers

To determine the best manifold for your environment, simply answer a few questions about the shop's existing piping and layout.

1. What is the shop piping made of? (check all that apply)

copper _____ plastic _____
steel _____

2. What is the size of the pipe at the point of use?

1" _____ 3/4" _____
1/2" _____ 3/8" _____

3. For steel piping configurations, is there a *drop leg at the end of the line?

Yes _____ No _____

**A drop leg is added to catch large contaminants and water before the F/R manifold*

With a drop leg _____ Without a drop leg _____



4. How many and what types of tools are designated to run off this F/R manifold?

| | QTY | CFM |
|----------------------|-------|-------|
| PSC-150 = 20 CFM | _____ | _____ |
| AIR-658/680 = 15 CFM | _____ | _____ |
| AIR-300 = 10 CFM | _____ | _____ |
| Blow-off hose | _____ | _____ |
| Total | _____ | _____ |

5. What is the compressor's max pressure and CFM rating?

Pressure _____

CFM _____

6. Is there any other equipment running that uses a large volume (CFM) of air?

Yes _____ No _____

7. What is the wall behind your piping made of? (For mounting screws)

Brick or hard material _____

Sheet rock or soft material _____