

DirectFlo 1400 & PowerFlo 2400 by Comco

Micro-Abrasive Blasting in a More Powerful Package



DirectFlo DF1400

- Superior Performance
- PowderGate Equipped
- Multiple Nozzle Capability
- Improved Pneumatics, Tubing, and Fittings
- Easier to Operate and Maintain

PowerFlo PF2400

- Engineered for Integration with Automatic Systems
- Microprocessor Equipped for Capturing and Exporting Data
- Digital Display Operating Alerts
- All the Features of the DirectFlo 1400

An Evolution in Advanced Micro-Abrasive Blasting Technology

For more than 30 years, Comco has been the world's leading manufacturer of micro-abrasive blasters. Our compact MicroBlaster™ has proven to be the economical choice for smaller production environments across a wide variety of industries.

But you have more choices! In a high volume production environment, step up to a DirectFlo or a PowerFlo. These production blasters deliver more power, increased powder capacity, and greater control over the blasting process. Discover increased performance and Comco's unequaled precision combined with innovative enhancements not found on any other micro-abrasive blaster.

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Powerful Choices for Heavy Duty Precision Micro-Abrasive Blasting

The DirectFlo Delivers Increased Power and Performance at an Affordable Price!

When your job requires more power and greater powder capacity than a MicroBlaster™, the DirectFlo is the unit to choose. In manual operations, the DF1400 delivers abrasive through a larger nozzle, filling the gap between a miniature blaster and a larger cabinet blaster at a very moderate cost. If your job requires fixturing, the DirectFlo has the ability to supply abrasive to multiple nozzles, allowing it to blast several locations at once.



The DirectFlo

To keep up with the demands of a production environment, the standard DirectFlo is equipped with a large, 10 lb. capacity tank. If your application requires more abrasive, select the optional 20 lb. tank. All Comco tanks are filled without removing the cover, through Comco's "Quick Fill" feature.

The PowerFlo – All of the Features of the DirectFlo plus Microprocessor Controlled for Capturing Data

Equipped with an internal microprocessor, the PowerFlo is the ideal blaster for integration with automation. The microprocessor monitors the PowerFlo to ensure that powder levels, abrasive flow, and other critical components of the blasting process are functioning properly. An IO Data Port enables the microprocessor to communicate real time data to outside resources.

The microprocessor records operating time and blast cycles to facilitate timely maintenance. An easy-to-read digital display provides status information to assist the operator with troubleshooting and maintenance. With all of the features of the DirectFlo plus the microprocessor, the PowerFlo elevates micro-abrasive blasting to a higher level.



The PowerFlo



Digital display alerts include:

- Low Powder
- Check Powder Flow
- Statistical Information
- Maintenance Alerts

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Powerful Choices for Heavy Duty Precision Micro-Abrasive Blasting

PowderGate Equipped for Extended Life & Less Downtime

A breakthrough in micro-abrasive blasting technology, the PowderGate reduces maintenance and downtime to increase your productivity and profitability. Comco's engineering labs spent years working on a solution to the issue of reduced productivity caused by the age-old problem of pinch valve failure common in other manufacturers' production blasters.



An exclusive feature of the DirectFlo and PowerFlo, Comco's PowderGate controls the abrasive flow internally, rather than relying on pinching a section of hose.

In a heavy production environment, you need a PowderGate equipped blaster to save you valuable time and money while eliminating the frustration associated with pinch valve failure.

Comco's Exclusive Modulator

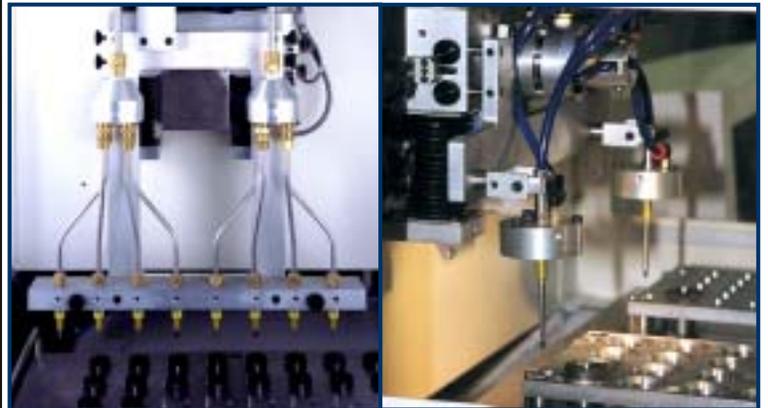
Both the DirectFlo and PowerFlo come equipped with our patented modulator, the core of Comco's powder delivery system. The modulator ensures consistent media flow by accurately metering the abrasive in the air stream with a minimum of moving parts. Like the compact MicroBlaster™, the DirectFlo and PowerFlo are designed to provide maximum performance with limited stress or wear on the system. This results in lower operating costs through reduced downtime for maintenance.



Customized splitter assemblies are available for specialized automated tasks.

Multiple Nozzle Capability

High volume applications typically require some type of fixturing or automation and, in many cases, multiple nozzles. Comco has engineered a variety of splitters and nozzles that allow a semi-automated system to process multiple parts at one time. Custom nozzles with various shapes are available: extended length, special angles, and larger sizes.



Tools for Automation

The PowerFlo is an ideal unit for integration into automated processes. The microprocessor is easily controlled through external PLC logic. With the I/O cable or external communications option, an abrasive feedback loop allows the process to monitor itself, ensuring consistent MicroBlasting performance.

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SPECIFICATIONS



	DirectFlo DF1400 & PowerFlo PF2400	DirectFlo DF1400-80 & PowerFlo PF2400-80 <i>Equipped with Optional Tall Tank</i>
Weight (empty)	64 lb. (29.5 kg.)	72 lb. (32.6 kg.)
Size: Height	17 in. (43 cm.)	25.2 in. (64 cm.)
Width	18 in. (46 cm.)	18 in. (46 cm.)
Depth	16 in. (40 cm.)	16 in. (40 cm.)
Powder Capacity	200 cubic in. (3300 cc.) Holds 10 lb. (4.5 kg.) of aluminum oxide	400 cubic in. (6600 cc.) Holds 20 lb. (9 kg.) of aluminum oxide

Specifications common to all DirectFlo and PowerFlo models:

- Inlet Air Pressure: 90 - 140 psig. (6 - 10 bars)
Using user-supplied dry air or other gas
- Operating Pressure: 40 - 140 psig. (3 - 10 bars)
- Air Supply: Dried to -25°F dew point (<200 ppm of moisture)
Oil content filtered to <10 ppm
- Air Volume: 6 SCFM Typical (170 liters per minute)
(Units supplying abrasive to multiple nozzles may require up to 12 SCFM)
- Nozzle Sizes:
 - Round 0.030 - 0.125 in. diameter (0.8 mm. - 3.2 mm.)
 - Rectangular 0.008 x 0.125 in. or larger (0.2 x 3.2 mm.)
 - Custom sizes and shapes available
- Power Requirements: 115V / 60 Hz or 230V / 50 Hz
Less than 100 Watts required

Optional high pressure model available for up to 185 psig.

A dust collector must be used with any micro-abrasive blasting system. Comco provides all the equipment, products, and technical support to keep your system operating at peak performance, including Blasters, Abrasive Media, Nozzles, WorkStations, Air Dryers, and Dust Collectors.



Superior Service & the Highest Level of Technical Support

Our experienced team of Customer Service Representatives and Technical Specialists are well trained to handle all of your concerns. Our detailed product manuals are easy to understand. Comco is proud of the equipment we engineer and of our people who build and test every machine we make.