



Actual products may differ
from images shown



**Measure and Quantify
Airflow**



**Increase Engine
Performance**

SF-1020i

Flowbench



Actual product may differ from image shown

The 1020i is the first flowbench specifically designed for The OEM Catalyst Market

The SF-1020 has long been the flowbench testing standard for OEMs around the world, but the system was engineered for lower volume, hobbyist airflow testing, not high-volume, in-line and end-of-line testing that many operations do today.

Introducing the SuperFlow 1020i; the first flowbench designed specifically for high-volume, industrial use. Built with a rigid steel frame, industrial grade components and OEM data acquisition integration in mind, facilities around the world can drastically improve testing efficiency and reduce long-term equipment costs with this product innovation from the engineers at SuperFlow.

- Fabricated Steel Frames and Components
- Industrial Blower Motor
- 3-Phase Power; Compatible in Testing Installations Around the World
- Increase in Unit Exchange Efficiency
- Data Acquisition and Control Systems Compatibility

A long-term testing solution, eliminating ongoing replacement of flowbench systems

In high volume industrial testing, flowbenches may need significant maintenance every 3 months. Aside from the substantial costs of new systems, labor, and replacement parts, this also results in significant downtime. Eliminating these expenses each quarter can create a positive ROI for the new 1020i within the first year.

- Test article exchange efficiency
- Increased electrical power efficiency
- Eliminates replacement system purchases
- Reduction in parts & labor maintenance costs
- Consistency in data acquisition & power considerations
- Eliminates system downtime

Talk to your SuperFlow representative today for information about how a SF-1020i can change your business.

SF-1020

Flowbench



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Overview

The SF-1020 measures and records air flow at OEM engineering accuracy, faster than any other flowbench on the market. It can test up to 240 hp (179 kW) per cylinder at test pressures up to 65" (165 cm) of water. The unique variable flow orifice adjusts flow range between 25 cfm and 1,000 cfm (12 - 472 l/s), based on FlowCom input, to fit the valve size or valve lift. The SF-1020 comes standard with our FlowCom digital airflow measurement system for accurate, repeatable and fast testing. FlowCom ensures accurate digital airflow measurement and control by automatically measuring test pressure and temperature; then presenting corrected flow data on the easy-to-read, precision display. This saves considerable time when compared with standard manometer type benches that require users to make calculations in order to achieve corrected flow numbers. The included automatic motor controller maintains constant test pressure without the use of knobs and valves and it also helps extend motor life by reducing heat generated during operation. Reduced heat means that operators can run for longer durations than benches lacking the motor control feature.

Specifications

- | | |
|------------------------------|---|
| • Calibration Test Pressure: | 25 in (63.5 cm) of water |
| • Range: | 0-1,100 cfm |
| • Intake Capacity: | 1,000 cfm \pm 10% @ 25 in (63.5 cm) test pressure |
| • Exhaust Capacity | 1,000 cfm @ 25 in (63.5 cm) of water |
| • Power: | 240 VAC, 75 amps, single phase |
| • Weight: | 563 lb (255 kg) |
| • Dimensions: | 48 x 33 x 43 in (122 x 84 x 110 cm) |

SF-750

Flowbench



Actual product may differ from image shown

Overview

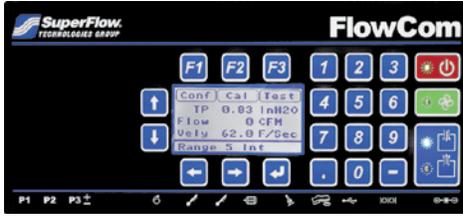
The SF-750 is a modern digital version of the SF600. It flows 575 cfm at 25" of water. The SF-750 comes standard with our FlowCom digital airflow measurement system and control system for accurate, repeatable and fast testing. FlowCom ensures accurate digital airflow measurement and control by automatically measuring test pressure and temperature; then presenting corrected flow data on the easy-to-read, precision display. This saves considerable time when compared with standard manometer type benches that require users to make calculations in order to achieve corrected flow numbers. The included automatic motor controller maintains constant test pressure without the use of knobs and valves and it also helps extend motor life by reducing heat generated during operation. Reduced heat means that operators can run the SF-750 for longer durations than benches lacking the motor control feature.

Specifications

- Calibration Test Pressure: 25 in (63.5 cm) of water
- Range: 0-750 cfm
- Capacity: 600 cfm \pm 10% @ 25 in (63.5 cm) test pressure
- Power: 240 VAC, 40 amps, single phase
- Weight: 400 lb (182 kg)
- Dimensions: 35 x 27 x 84 in (102 x 82 x 214 cm)

Optional Equipment

Flowbench



FlowCom

This highly accurate measurement system gauges test pressure and temperature measurement to within 0.5°F. FlowCom measures and calculates airflow in CFM. It has inputs for optional external devices like swirl meters, tumble meters and velocity probes. Flowcom is standard for SF-1020 and SF-750. Flowcom is an available upgrade for analog flowbenches.



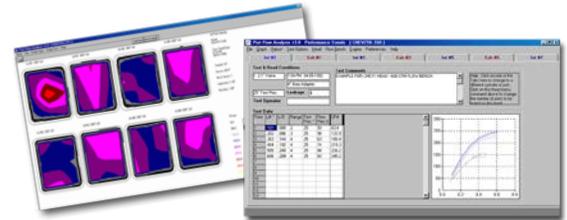
Filter Assembly

SF-1020 filter assembly is designed for high contamination environments. The low restriction design has minimal effect on flow capacity and includes test plate adapter with a 13 in. O-ring opening for easy fixture adaptation. Filters are washable. The filter assembly is standard for SF-1020i and available as an option for the SF-1020.



Head Adapters

SuperFlow offers cylinder head adapters for several applications. Custom adapters also available.



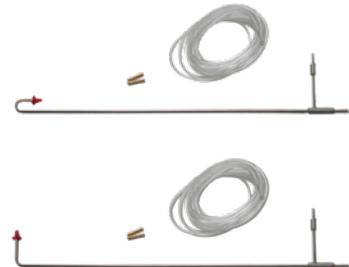
Optional Software

Optional Flowbench software is available for all SuperFlow Flowbenches to display, record, and analyze your test results.



Universal Valve Openers

SuperFlow offers automatic and manual universal valve openers for sturdy, fast and accurate testing cylinder heads. Fits everything from 4 cylinder to big block Chevy heads and comes with dial indicator.



Pitot Tubes

SuperFlow offers Pitot Tubes, a compact device to measure velocity within the port. When used in conjunction with Port Flow Analyzer Pro Software, it offers port velocity mapping.

SF-832 Chassis Dynamometer

The SF-832 is the most versatile performance chassis dynamometer on the market with the ability to test a variety of automobile, light truck, ATV and UTV applications up to 2,500 horsepower (traction limited) at speeds up to 225 mph (362 kph). Its innovative design and small footprint save valuable shop space. The SF-832's standard center-mounted power absorber allows the operator to perform loaded, steady state, step, track road load simulation, drive cycles and controlled or inertia only acceleration tests. Upgradeable to AWD or adding a second power absorber for higher loads or extended testing.



SF-902S Engine Dynamometer

The SF-902S is designed for high RPM and maximum durability, offering a 15,000 rpm rating capable of testing high speed engines with power levels ranging from 20 - 1,500+ hp and up to 1,200+ lb-ft of torque. The SF-902S is used at all levels of engine research, design, development, tuning, and rebuilding. SuperFlow's exclusive, low-inertia absorber is made of a cavitation-resistant aluminum/bronze alloy, which has over 20 times the life expectancy of an all-aluminum absorber. It uses an outlet-control servo valve for the quickest response times. The SF-902S's built-in scripted tests allow you to simply perform acceleration, step, steady-state, lifecycle and break in tests automatically at any throttle position.



Superflow® The Industry Standard

SuperFlow® is a global engineering leader specializing in test and remanufacturing equipment for vehicle drivelines. Since 1972, SuperFlow® has been designing and manufacturing industry leading flowbenches, engine dynamometers, chassis dynamometers and advanced Windows® based data acquisition systems. Our products are used daily by performance engine builders, engine and transmission remanufacturers, the U.S. Military and allies worldwide, technical schools, race teams, speed shops, universities, and leading automotive manufacturers to produce powerful and efficient vehicles.

Today, with more than 10,000 products in the field, SuperFlow® is the most experienced manufacturer in the industry offering the most complete selection of test equipment. SuperFlow's® four major brands, Axiline®, Hicklin® Engineering, SuperFlow® and TCRS®, test or rebuild every component of the drive train from the engine and transmission to the torque converter, drive shaft and axles. Our commitment to providing the best products and service at a great value has given us the opportunity to work with some of the most notable companies in the automotive industry. Experience why thousands have trusted SuperFlow® for all of their testing needs.





SuperFlow is part of Power Test, LLC, an industry leader in the design, manufacture and sales of dynamometers, specialized test systems, and related data acquisition and control systems. Power Test, LLC, offers a portfolio of brands that have long been the standard bearer for quality in the testing industry. As your equipment testing partner for innovative products and comprehensive lifecycle services and support, we are dedicated to delivering an exceptional experience by offering specialized solutions to Make Your Testing Easy.

TEST WITH THE BEST™

Chassis Dynos

Flowbenches

DriveShaft Rebuilding Equipment

Engine Dynos

Solenoid Testers

Torque Converter Rebuilding Systems

Transmission Dynos

Valve Body Testers

Transmission Testers