

HYDRANTS Testing & Management

2 1/2" NST Hydrant/Apparatus Flow Tester Kits

- Measures low flows from 2 1/2" hydrant nozzles
- Interchangeable nozzle tips increase velocity—ensures accurate flow rate measurement from fire apparatus or hydrants

Measuring flow rates with a pitot gauge from 2 1/2" barrels can be difficult when water velocity is low. These kits contain nozzle tips that reduce the port size and increase velocity, which improves flow measurement accuracy. The pitot blade remains correctly positioned at all times and requires no adjustment when nozzle tips are exchanged. The pitot arm supporting the blade swivels out of the way during flushing to prevent potential blade damage from stones. All aluminum parts are hard-coat anodized, and all other metal parts are chrome plated or stainless steel.

Choose from two kits. **Low-flow kit** measures flow from 53 gpm at 10 psi to 1077 gpm at 140 psi and includes 3/4", 1", 1 1/4", 1 1/2" and 1 3/4" nozzle tips. **High-flow kit** measures flow from 211 gpm at 10 psi to 2197 gpm at 140 psi and includes 1 1/2", 1 3/4", 2", 2 1/4" and 2 1/2" nozzle tips.

DESCRIPTION	FLOW RANGE	STOCK #	EACH
Low-Flow Kit	25 to 700 gpm	40051	\$
High-Flow Kit	25 to 1900 gpm	40052	
Replacement Blade		12016	

Kits Include:

- 3 1/2" liquid-filled gauge (0 to 160 psi, 2-psi increments, ±1 FS accuracy)
- Instructions and flow charts for each nozzle
- Pitot blade with supporting arm
- 5 nozzle tips
- Hard carrying case



Flow tester shown with nozzle attached

USA BlueBook BRAND PRODUCTS

USA BlueBook Hydrant Flow Test Kits

- Everything you need for efficient hydrant flow testing

Our USA BlueBook hydrant flow test kit provides water system operators with everything they need to perform hydrant flow tests efficiently.

The **notched blade** is designed with a built-in step for resting against the outside surface of a nozzle. This makes it easier to hold the pitot blade in the middle of the water stream.

The **0.88 coefficient nozzle** provides a measure of consistency from one measurement to another, and eliminates the problem of determining nozzle flow coefficient for each hydrant where different models and brands may exist. In addition, you can use the 45° elbow between the hydrant and the nozzle to divert water as required but still maintain the known 0.88 flow coefficient.

The **brass pitot gauge** uses a quick-disconnect gauge that you can rotate for optimum viewing position and remove for transport. Includes a replaceable metal blade and two plastic blades. Plastic blades have integral stainless steel tubes connecting the leading edge of the blade to the threaded connection at the body. You can order any of the blade styles as replacement items.

Test kits include 100 psi and 200 psi gauges, which are ideal for most water systems operating at 40 to 70 psi. You can specify gauges with 0 to 60 psi, 0 to 160 psi and 0 to 300 psi. Typically, pressure gauges are selected for operation at mid-range. Normal lead-time for shipment of kits with alternative gauges is 48 hours.

DESCRIPTION	STOCK #	EACH
Standard Test Kit for 100 and 200 Gauge psi	44752	\$
Custom Test Kit for a Specific Gauge psi	44753*	
REPLACEMENT ITEMS & ACCESSORIES		
Hydrant Flow Nozzle, 2 1/2" NST	44742	\$
Aluminum Swivel Elbow, 2 1/2" NST	44745	
Bleeder Valve, 1/4" NPT	88184	
Replacement Metal Blade, Straight	44746	
Replacement Plastic Blade, Straight	44747	
Replacement Plastic Blade, Notched	44748	
Replacement 100 psi Gauge	44749	
Replacement 160 psi Gauge	44750	
Replacement 200 psi Gauge	44751	

*Please specify gauge psi when ordering.

YOUR BEST VALUE!



Standard Kit Includes:

- Pitot tube with quick-disconnect gauge fitting, bleeder valve and straight plastic blade
- Alternate straight chrome-plated metal blade
- Alternate notched plastic blade
- 0 to 100 psi liquid-filled gauge with quick-connect fitting
- 0 to 200 psi liquid-filled gauge with quick-connect fitting
- 2 1/2" NST hydrant cap with bleeder valve and quick connect fitting
- 3/4" garden hose thread adapter for hose bibs
- 2 1/2" NST flow nozzle for standardization of any hydrant to a 0.88 nozzle coefficient
- Hydrant wrench
- Hard carrying case