

New England Manufacturing, LLC

Established in 1925

We *SPECIALIZE*
in *GAUGE*
CALIBRATION
with *NIST*
Traceable
CERTIFICATION



2020

Several Models
of Custom
Pressure Gauges
.....
Largest Inventory
in our Industry

Manufacturing and Distributing

Water Flow Testing Equipment for:

Fire Protection Engineers
Fire Insurance Underwriters
Fire Departments
Sprinkler Companies
Water Works Systems

New England Manufacturing LLC

Address: 47 Industrial Park Rd, Unit D • Romney, WV 26757

Website: nemfg.com

Phone: 321-727-0980

Email: newengmfg@gmail.com

100% Veteran Owned and Operated!

All Major Credit Cards Accepted

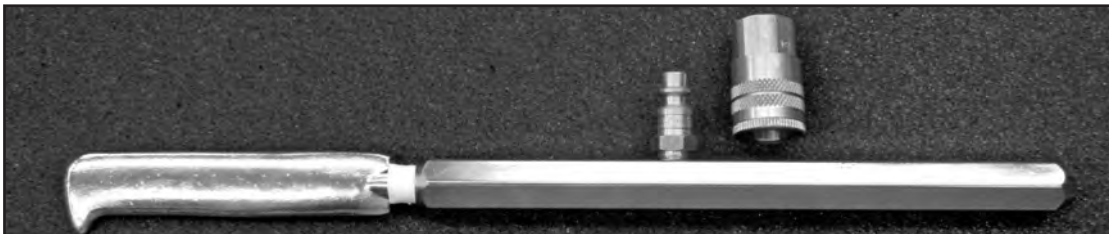


Quick Disconnect Hand Held Pitot Tubes & Pitot Blades

The hand held pitot tube is still the most efficient, economical, and accurate way to measure water discharge from hose nozzles, hydrants or other types of openings. **NEMFG LLC** has manufactured these for well over 50 years. Our models are designed to be simple, sturdy, functional, and inexpensive. Three pitot handle designs, coupled with six different interchangeable pitot blades, provide the most versatility in the industry. All models feature an air chamber that is machined into the handle. This serves to dampen the gauge needle under pulsation, thus giving a more accurate reading. A bleeder is not incorporated into our design, simply because it would defeat the purpose of the air chamber. Removal of the gauge via the quick disconnect fitting provides for fast draining of the tube. **Note: All six of our pitot blades will fit any of our handles!**

Our handles feature a high quality Parker B23N brass quick disconnect fitting with stainless locking balls. This allows for easy removal of the gauge, fast draining of the tube and convenient rotation of the pressure gauge during use. Since the female portion of the fitting remains on the gauge, no wrenching or twisting of the gauge is necessary during hook up or removal. This prevents costly damage caused by hand twisting the gauge into a fitting and results in longer gauge accuracy.

Hex Handle Quick Disconnect Pitot Tube



Machined from solid brass hex stock with rounded corners for comfortable use. Simple, solid and able to be used with one or two hands. The 8" handle is nickel plated and comes with both ends of the quick disconnect fitting.

101	w/ standard metal blade (as shown)	\$101.95
101A	w/ ultra-thin straight metal blade	\$121.95
101B	w/ ultra-thin notched metal blade	\$121.95
101C	w/ plastic straight blade (1 spare blade included)	\$101.95
101D	w/ plastic notched blade (1 spare blade included)	\$101.95
101E	w/ extra-long (5") straight ultra-thin metal blade	\$139.95

Round Handle Quick Disconnect Pitot Tube



Machined from solid brass stock. This model has a 7" handle portion, is easy to hold, compact and very durable. Nickel plated and comes with both ends of the quick disconnect fitting.

104	w/ standard metal blade (as shown)	\$96.95
104A	w/ ultra-thin straight metal blade	\$116.95
104B	w/ ultra-thin notched metal blade	\$116.95
104C	w/ plastic straight blade (1 spare blade included)	\$96.95
104D	w/ plastic notched blade (1 spare blade included)	\$96.95
104E	w/ extra-long (5") straight ultra-thin metal blade	\$134.95

Ultra-Light Quick Disconnect Pitot Tube



This model has been made for several years now and is becoming very popular with engineers wanting a light pitot tube. The handle part is machined from a solid piece of brass, allowing it to be both skinny and very strong. It is still easy to hold on to with its knurled handle. ***We recommend this model with any of the ultra-thin blades.***

107	w/ standard metal blade	\$116.95
107A	w/ ultra-thin straight metal blade	\$136.95
107B	w/ ultra-thin notched metal blade (as shown)	\$136.95
107C	w/ plastic straight blade (1 spare blade included)	\$116.95
107D	w/ plastic notched blade (1 spare blade included)	\$116.95
107E	w/ extra-long (5") straight ultra-thin metal blade	\$154.95

Pitot Blades



108	standard metal blade	\$36.95
109	straight plastic blade w/ stainless tubing	\$17.50
110	notched plastic blade w/ stainless tubing	\$17.50
111	ultra-thin straight metal blade w/ stainless tubing	\$55.95
112	ultra-thin notched metal blade w/ stainless tubing	\$55.95
113	extra-long (5") ultra-thin straight metal blade w/ stainless tubing	\$74.95
114	*NEW* heavy duty one piece solid nickel plated brass straight blade	\$89.95

Our #110 and #112 notched blades provide perfect placement of the stainless pick-up tube for playpipes, hydrants and our 2 ¼" hydrant flow nozzle.

Pressure Gauges

New England Manufacturing, with a huge inventory of over 1000 pressure gauges always in stock, is the gauge leader in the water flow testing industry. Our gauges are designed for flow testing and backed by our in-house repair/warranty service. We offer discounts on large orders.

We specialize in calibration with NIST traceable certification and a quick turnaround time.

\$30.00 for gauges up to 300psi and \$40.00 for gauges 301psi to 600psi. Gauges are returned with a calibration sticker and a NIST calibration document. We do not charge for gauges that cannot be fixed or calibrated. Carefully wrap and ship your gauges to us with return information.



Model #201 NEMFG Custom (2½" Dial) Liquid Filled Gauge

Because we purchase in large quantities we were able to have this gauge custom designed and tuned for us to attain Grade 1A (**1% accuracy in the mid-operating range**). Brass internals, stainless steel case, flow test dials, 1 year warranty and economical pricing make this our most popular seller.

\$39.95

Dial Ranges	Major #d Graduations	Minor Graduations	Smallest Graduations	1% Range
0-60psi	10	5	1	15-45psi
0-100psi	10	-	2	25-75psi
-30-0-100psi	10	-	2	25-75psi
0-160psi	20	10	2	40-120psi
0-200psi	20	10	2	45-145psi
-30-0-200psi	20	10	2	50-150psi
0-300psi	50	10	5	75-225psi
-30-0-300psi	50	10	5	75-225psi
0-400psi	50	10	5	100-300psi



Model #202 NEMFG Custom (2½" Dial) Liquid Filled Gauge

This gauge is manufactured exclusively for NEMFG with features that so many of our customers want in one gauge at an affordable price. Though it looks like normal 2½" liquid filled gauge, this model is also equipped with **1% full scale accuracy**, removable bezel (*necessary for calibration*), a recalibration screw, knife edge pointer (formerly only used on test gauges), stainless case with brass internals, easy to read dials, and a 1 year warranty.

\$49.95

Dial Ranges	Major #d Graduations	Minor Graduations	Smallest Graduations
0-30psi	5	1	5
0-60psi	10	5	1
0-100psi	20	10	2
0-160psi	20	10	2
0-200psi	20	10	2
-30-0-200psi	20	10	2
0-300psi	50	10	5
-30-0-300psi	50	10	5
0-400psi	50	10	5



Model #203 NEMFG Custom (3.2" Dial) Dry Stabilizer Gauge

Designed and made only for NEMFG this gauge is light with a large easy-to-read dial. **The unique stabilizer movement allows the indicator needle w/ knife-edge pointer to read steady under pressure or pulsation.** The 3.2" dial, stainless case, **1% full scale accuracy**, calibration adjustable movement make this the best offering for those that prefer dry gauges. 1 year warranty.

\$49.95

Dial Ranges	Major #d Graduations	Minor Graduations	Smallest Graduations
0-30psi	10	5	1
0-60psi	10	5	1
0-100psi	10	-	2
0-160psi	20	10	2
-30-0-200psi	20	10	2
0-300psi	30	10	5
-30-0-300psi	50	10	5
0-400psi	50	25	5



Model #204 Ashcroft 1009 AW Flutterguard (2 1/2" Dial) Gauge

This unique, **very light** gauge has **Grade 1A accuracy (1% full scale)**. Though it is a dry gauge, the patented PowerFlex and Flutterguard features make this unit as steady under pulsation as a liquid filled gauge. The PowerFlex movement utilizes a unique suspended construction which isolates the gauge movement from the socket, thereby substantially reducing the effects of shock, vibration and pulsation. Additionally, the PowerFlex movement eliminates 9 of the 13 conventional gear components. The Flutterguard feature provides the gauge with the characteristics of a liquid filled unit, but without the fill. **The indicator needle reads as steady as a liquid filled gauge.** These features, along with a True Zero indicator (no stop pin), easy to read dials, and a limited 5 year warranty, make this gauge the best available in its price category.

\$79.95

Dial Ranges	Major #d Graduations	Minor Graduations	Smallest Graduations
0-30psi	5	1	1/2
0-60psi	5	5	1
0-100psi	10	5	1
-30-0-100psi	10	5	1
0-160psi	20	10	2
0-200psi	20	10	2
-30-0-200psi	20	10	2
0-300psi	30	10	5
0-400psi	50	25	5
0-600psi	50	-	10



Model #205 Ashcroft 1009 AW Flutterguard (3 1/2" Dial) Gauge

This 3 1/2" model has all the same features of the standard model #204, 2 1/2" dial size described above, but with the larger dial. Because it is so **lightweight and easy to read**, it remains very popular.

\$89.95

Dial Ranges	Major #d Graduations	Minor Graduations	Smallest Graduations
0-60psi	5	5	1
0-100psi	10	5	1
-30-0-100psi	10	5	1
-30-0-150psi	20	10	2
0-200psi	20	10	2
-30-0-200psi	20	10	2
0-300psi	30	10	5
-30-0-300psi	30	10	5
0-400psi	50	25	5
0-600psi	50	-	10

Note: Although not recommended, this gauge is available filled with glycerin for an additional \$10.00

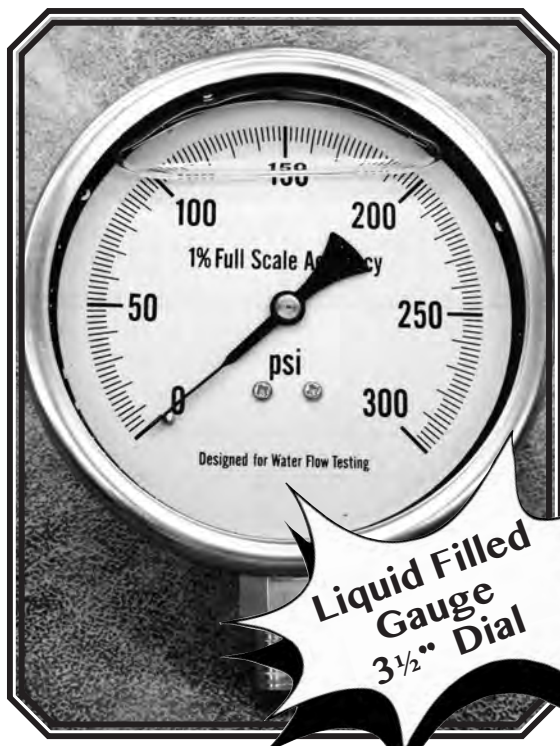


Model #207 NEMFG Custom (2 1/2" Dial) Liquid Filled Gauge

NEW FOR 2020! Specifically designed for our new model #777 Pitot Kit. This gauge is equipped with 1% full scale accuracy, stainless steel case with brass internals, easy to read dials, New England Manufacturing logo and a 1 year warranty.

\$49.95

Dial Ranges	Major #d Graduations	Minor Graduations	Smallest Graduations
0-100psi	10	-	2
0-160psi	20	10	2
0-200psi	20	10	2



EXCLUSIVE to NEMFG!!!

Model #209

After several years we were able to have a 3½" liquid filled gauge made for our trade. The size is unique, being **lighter and smaller** than the industry standard 4" dial size. It has all the right graduations for water flow and pump testing. **The 30-0-300psi and 0-300psi come in 2lb. increments.** It features 1% full scale accuracy, 3½" dial, brass internals and stainless case. This gauge has a 2 year warranty and is in a class by itself.

\$59.95

Range	Major #'d Graduations	Minor Graduations	Smallest Graduations
0-30psi	5	-	½
0-60psi	10	5	1
0-100psi	20	10	1
30-0-150psi	30	10	2
0-160psi	20	10	2
0-200psi	20	10	2
30-0-200psi	20	10	2
30-0-300psi	50	2	2
0-400psi	50	10	5
0-600psi	100	50	10



#210 Ashcroft Fire Protection Sprinkler Service Gauge:

(3 1/2" Dial) Standard Ashcroft 3 1/2" sprinkler gauge is FM & UL approved. Available in 300psi or 600psi **for water**. Black figures on a white background and bronze bourdon tube. Case is ABS/polycarbonate blend-Ashcroft patented *Power-Flex* movement-Connection 1/4" NPT lower-Grade B accuracy (3-2-3% of span).

\$17.95

#211 Ashcroft Fire Protection Sprinkler Service Gauge:

(3 1/2" Dial) Standard Ashcroft 3 1/2" sprinkler gauge is FM & UL approved. 0/80 retard to 250psi for air. Black figures on a white background and bronze bourdon tube. Case is ABS/polycarbonate blend-Ashcroft patented *Power-Flex* movement-Connection 1/4" NPT lower-Grade B accuracy (3-2-3% of span).

\$17.95



#212 Model Ashcroft DG25 Digital Gauge

This gauge took over 2 years for Ashcroft to develop. We have offered this model for several years and now can clearly state that this is the **most accurate field gauge we have ever seen**, and reads in 1/10th of a pound pressure. Additionally, it almost never gets out of calibration. It also features LCD display, weather protective enclosure, heavy duty protective boot, **9 different units of measurement** and long battery life. Each gauge has a serial number. **Since it is digital and so accurate (0.5% or better it is stocked in only two ranges that cover about everything (30-0-300psi and 30-0-600psi. Note: Like all other pressure gauges, it should NEVER be hand twisted into a fitting. Hand twisting this gauge can ruin the circuitry. A wrench to snug the gauge must always be used. This gauge is supplied with a NIST traceable certification at no additional charge.**

\$245.00

Notes About Gauges

The number one killer in gauge accuracy is hand twisting the gauge into a fitting. This turns and misaligns the movement inside the case, ruining any chance of calibrating. Always use the proper wrench and do not overtighten.

Failure to use and open a bleeder when a hydrant valve or similar system is being closed can easily, in a second, overpressurize a gauge, stretching the bourdon tube and again ruining the gauge.

Pressure gauges are precise measuring instruments and subjecting them to extreme cold or rough usage quickly spoils the accuracy.

Gauges read more accurately in the mid range than on the extremes of the dial. The maximum operating pressure should not exceed 75% of the full-scale range. The normal operating range should be in the middle half of the range whenever possible.

If a gauge is off the zero indicator sometimes it can be corrected by venting. Venting is done by placing the gauge upright and opening the rubber vent cap at the top of the case. If the atmospheric pressure inside the case is different from the outside, the needle will, many times, be off zero.

Liquid filled gauges sometimes may leak (weep) some fluid, especially if placed in an airplane. They do not have to be full to work properly.

Gauges do not come from any manufacturer with individual certification. Certification insures accuracy and is necessary for certain types of testing. Certification is normally done on an annual basis.

Gauge Calibration & Certification

Certified pressure gauge calibration is a process of comparing a gauge in at least 5 test points over the span to a known certified and traceable pressure measuring device. We can test and certify gauges from 3% (grade B) full scale accuracy to .25% (grade 3A) full scale accuracy. Our tester is annually certified to be at least .05% accurate and traceable back to The National Institute of Standards and Technology, or NIST.

Our Gauge Certification Program

- **We specialize in calibration with NIST certification and quick turnaround time.**
- **\$30.00 for gauges up to 300psi and \$40.00 for gauges 301psi to 600psi.**
- **Gauges are returned with a calibration sticker and an NIST calibration document.**
- **We do not charge for gauges that cannot be fixed or calibrated.**
- **Carefully package up your gauges and ship them to us with return information.**
- **We will bill after completion of certification.**

- ❖ **SPECIAL QUANTITY DISCOUNTS AVAILABLE ON LARGE GAUGE ORDERS.**
- ❖ **ALL GAUGES ARE SUPPLIED WITH 1/4" NPT LOWER (BOTTOM) CONNECTION.**
- ❖ **FOR \$15.00 WE CAN CERTIFY YOUR GAUGE (at the time of purchase only).**

Test Caps



#301 Brass Hydrant Test Cap: Machined from a brass casting, this rugged 2 1/2" cap is supplied with either US standard NST threads or Canadian Ontario 5TPI. The cap center is machined for 1/4" NPT bleeder or gauge connection.

\$49.95

#302 Aluminum Hydrant Test Cap: (not shown) Same specifications as the brass hydrant test cap and available only in Canadian Ontario 5TPI.

\$49.95

#303 Hose Test Cap: Also machined from a brass casting and designed to fit a 1 1/2" fire hose connection. Cap center is machined for a 1/4" connection for bleeder or gauge.

\$37.95

#304 Faucet Test Cap: Brass cap designed to take pressure reading from a sillcock or for use when pressure cannot be obtained by any other method. Comes with standard 3/4" hose thread and 1/4" gauge or bleeder connection.

\$9.85

Tachometer



#601 Model CDT-2000HD: We have offered this unit for over 10 years and the new version has an armored rubber covering in case it is accidentally dropped. Nothing on the market compares to its quality, features or pricing. Weighing only 6 ounces, it can be used in either contact or non-contact modes. The built-in memory stores maximum, minimum and last reading for recall to the display. Used for high or low RPM with accuracy of 0.02%, as well as the ability to measure surface speed and length. This is a complete outfit with all adapters, hard case, batteries, reflective tape, manual and certification (1 year warranty).

\$255.00

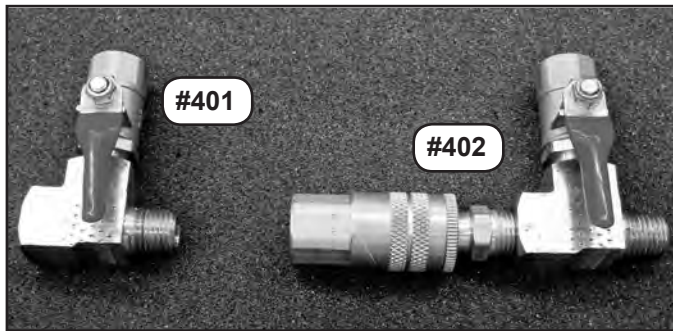
#602 Model CDT-1000HD: Same features as #601, but can be used in the photo (non-contact) mode only.

\$194.95

Bleeders

A bleeder is considered the simplest and most efficient way to release trapped air or foreign matter in the system prior to directing pressure to the gauge. Additionally, opening of the bleeder port before closing the hydrant on a test cap will assure that the gauge will not become over pressured. All of our bleeders incorporate a high quality 1/4" ball valve. These are durable and easy to use. Coupled with a quick disconnect fitting, the gauge can then be rotated during use for easier reading.

Note: To prevent your gauge from being over pressured by trapped air or water at the time the hydrant valve is being closed, a bleeder port must be opened between the test cap and gauge.



#401 Single Ball Valve Bleeder: Opening the ball valve permits bleeding, while closing the valve directs pressure to the port mounted gauge. **\$19.95**

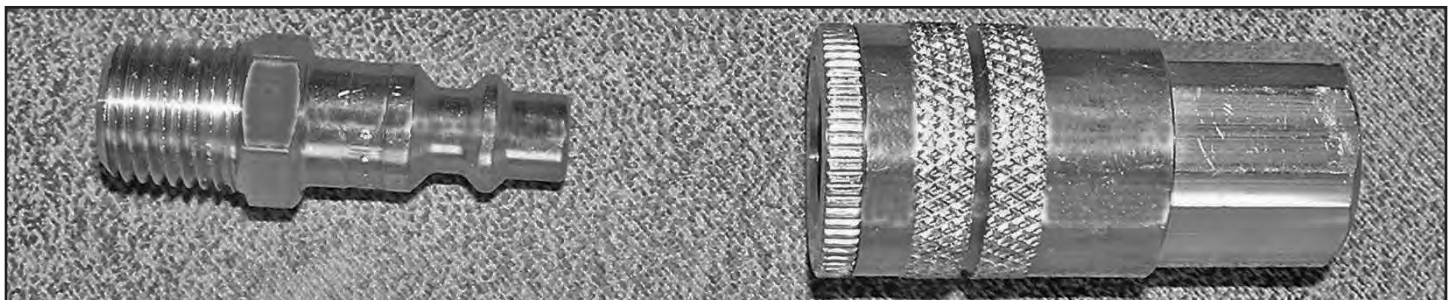
#402 Single Ball Valve Quick Disconnect Bleeder: The ball valve on the bleeding port is used to control both bleeding and pressure to the gauge. In the open position, air and foreign matter are released through the valve. Closing the valve forces pressure through the quick disconnect fitting to the port mounted gauge. **\$35.95**

#403 Double Ball Valve Bleeder: This type allows one valve to control the bleeding process and the other valve to control when pressure is applied to the mounted gauge. **\$35.95**

#404 Double Ball Valve Quick Disconnect Bleeder: Bleeding is controlled through one valve while the other opens and closes flow to the quick disconnect mounted gauge. **\$49.95**



Quick Disconnect Fitting



#405 Quick Disconnect Fitting: This is a high quality Parker #B23N quick disconnect fitting with stainless steel locking balls. It allows for easy removal of the pressure gauge to either the pitot tube or bleeder assembly. Results have shown longer gauge and calibration life when quick disconnect fittings are used for hook up. Comes with both male and female portions. **\$19.95**

Flow Test Accessories



#501 Inspector's Hydrant Flow Nozzle:

(a.k.a. hydrant flow nozzle, FM nozzle or stream straightener)

Designed by our company 40 years ago, there are now thousands in use. The uninterrupted and straight flow of water through this 6" calibrated flow nozzle compensates for the varied configurations on the inside diameter of the hydrant butt openings. Thus, the operator does not have to know or take into calculation the coefficient of the particular hydrant being flowed. The result is a simpler process with a **more accurate reading**.

This all-brass nozzle is nickel plated and has a 2 1/4" smooth bore ID tube delivering a constant .88 coefficient of flow between 10-56psi. A waterproof decal showing the actual GPM of flow between 10-56psi is affixed to the tube. Available in standard 2 1/2" NST or Canadian 5 TPI.

\$95.95

#502 Brass Flow Nozzle Elbow:

Intended to be used with our Inspector's Hydrant Flow Nozzle, this brass elbow is designed to direct the flow 45 degrees. It can be rotated to any desired position and is available in standard NST threading.



\$109.95



#506 Brass Hydrant Adapter:

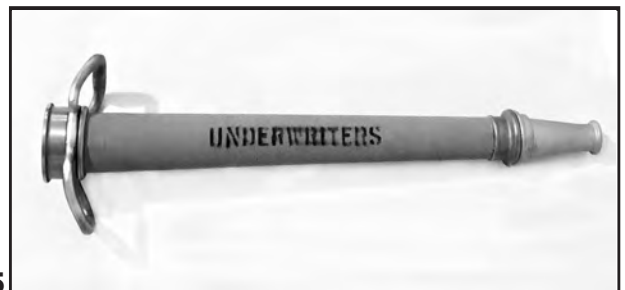
A number of areas in the U.S. and Canada do not use NST threading on hydrants. In those cases an adapter is necessary to convert to the standard NST threads. We stock a number of popular adapters.

Average Cost: \$65.00

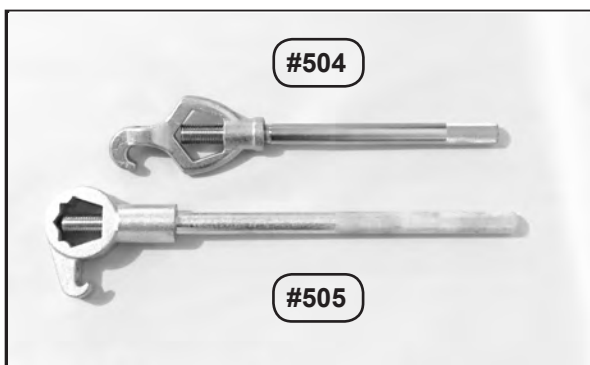
#503 30" Underwriter's Playpipe:

This is the standard UL and FM approved 30" playpipe. Made with 2 1/2" base and 30" long. Screw nozzle, swivel handle, and Marlin wound red painted cording. Standard discharge tip 1 1/8". Removal of the tip allows for a 1 3/4" flow opening. Stocked in standard NST and Canadian Ontario threading.

\$289.95



Hydrant Wrenches



#504 Inspector's Choice Hydrant & Spanner Wrench:

Smaller and lighter than the standard type, this one is preferred by many for carrying. Weighs just under 3 lbs. and is approximately 15" long.

\$23.95

#505 Heavy Duty Hydrant & Spanner Wrench: Rugged yet economical, this model weighs just over 5 lbs. and is approximately 20" long.

\$35.95

Pitot Kits

Our pitot kits represent a very good cost savings over the individual items. **NEMFG** makes up pitot kits from any combination of our pitot handles, blades, pressure gauges and adds a small sturdy carrying case. The most popular combinations are listed below or you can make up your own from our components and receive the 15% savings. Gauge certification is just \$15.00 at the time of purchase.



#700 Pitot Kit: This kit includes the #104 Round Handle Quick Disconnect Pitot Tube matched with our #108 standard blade and the #201 liquid filled gauge (any psi range). **\$125.00**

#701 Standard Pitot Kit: This basic kit is still the most popular. It includes our #101 Hex Handle Quick Disconnect Pitot Tube matched with the #108 metal blade and the #201 liquid filled gauge (any psi range). The #901 small case is included. **\$145.00**

#702 Pitot Kit: Packaged with the #104 Round Handle Quick Disconnect Pitot and two of the plastic blades (straight #109 & #110 notched). Our #201 liquid filled gauge (any psi range) and #901 small case make up this package. **\$125.00**

#703 Pitot Kit: This kit includes the #101 Hex Handle Quick Disconnect Pitot Tube or with the standard #108 metal blade. The gauge is the #202 liquid filled gauge with 1% full scale accuracy (any psi range), packaged with the #901 small case. **\$150.00**

#704 Custom Pitot Kit: Featuring the #101B Hex Handle Quick Disconnect Pitot Tube, with the ultra-thin notched blade and the Ashcroft #204 Model 1009AW Flutterguard gauge (any psi range). This kit is also packaged with the #901 small case. **\$180.00**

#705 Favorite Pitot Kit: Packaged with the #101A Hex Handle Quick Disconnect Pitot Tube with the #111 ultra-thin straight blade and the #203 Dry Stabilizer gauge (3.2" Dial & 1% full scale accuracy in any psi range). The #901 small case is included. **\$160.00**

#706 Ultra Inspector's Pitot Kit: Included is the #107B Ultra-Light Quick Disconnect Pitot Tube with the #112 ultra-thin notched blade and the #204 Ashcroft Model 1009AW Flutterguard gauge (any psi range). Spare #111 ultra-thin straight blade, NIST traceable gauge certification and the #901 small case finish the deal. **\$245.00**

#777 New England Manufacturing Pitot Kit: NEW! "The Triple 7" featuring three NEMFG gauges and three blades! This kit contains our #107A Ultra-Light Quick Disconnect Pitot Tube with the #111 ultra-thin blade and our durable plastic straight and notched blades. The kit also includes the NEMFG exclusive #207 gauges in 0-100psi, 0-160psi and 0-200psi ranges. Each gauge has a Parker #B23N Quick Disconnect fitting with everything packaged into our #901 small case. **\$265.00**

Test Kits

The pictured test kits represent popular combinations of the components. **If one of our selections doesn't suit your needs, then just select what you would like and we will furnish a quote quickly.** When ordering please specify the gauge pressures you need. We stock a good supply of these items.



#801 No. 1 Test Kit: Inexpensive, but complete! Popular for in-house testing, this kit includes #104 round handle quick disconnect pitot w/ #108 spare metal blade, 2 of the #201 Custom Model liquid filled gauges (2 ½" Dial, any psi), #301 brass hydrant test cap, #303 brass hose test cap, #304 brass faucet test cap, #402 single ball valve quick disconnect bleeder, thread tape, and #903 Plano small deluxe carry case. **\$350.00**



#802 Shortie Test Kit: Designed for those who like to travel light. Starting with the #104 round handle quick disconnect pitot with #108 spare metal blade, then adding 2 of the #201 Custom Model liquid filled gauges (2 ½" Dial, any psi). The #301 brass hydrant test cap and the #402 single ball valve quick disconnect bleeder, furnished with the Plano #903 small deluxe case, make this outfit complete. **\$310.00**



#803 Shortie Test Kit Deluxe: An upgrade for the frequent user: #101A quick disconnect pitot tube with ultra-thin straight blade, plus a #108 spare blade. For the gauges, 2 of the #202 (1% full scale accuracy liquid filled model - 2 ½" dial any psi). The #402 single ball valve quick disconnect bleeder and #301 brass hydrant test cap along with the #903 plano deluxe case finish this package. **\$350.00**

#803A Shortie Test Kit Deluxe: Same as the #803, but with 2 of the #203 Dry Stabilizer Gauges (any psi). **\$350.00**



#804 Shortie Test Kit Ultra: Our best compact test kit. Includes the #107A ultra-light quick disconnect pitot tube with the ultra-thin straight blade and a spare #112 ultra-thin notched blade. For the gauges, 2 of the #204 Ashcroft model 1009AW flutterguard gauges (any psi) with NIST calibration certificates. We complete this kit with the #301 brass hydrant test cap, #404 double ball valve quick disconnect bleeder and Plano #903 deluxe case. **\$425.00**



#805 All Purpose Test Kit: Includes all of our most popular items. #101 quick disconnect pitot tube with #108 spare blade, 2 of the #201 Custom Model liquid filled gauge (2 ½" Dial), #501 inspector's hydrant flow nozzle, #404 double ball valve quick disconnect bleeder, #301 brass hydrant test cap, #303 brass hose cap, #304 brass faucet test cap and #905 Plano large All Weather Case. **\$465.00**



#806 Inspector's Test Kit: This kit represents one that will do the job and is packaged with the very rugged #905 Plano large All Weather Case. It continues to be a popular choice and a great value. Included is the #101A hex handle quick disconnect pitot tube with the ultra-thin straight blade and a #112 ultra-thin notched blade as a spare, 2 of the #203 dry stabilizer gauge (3.2" dial - any psi) with 1% full scale accuracy and NIST gauge certification, #301 brass hydrant test cap, #303 brass hose cap, #304 brass faucet cap, #402 single ball valve quick disconnect bleeder and #501 inspector's hydrant flow nozzle.

\$555.00



#807 Deluxe Test Kit: This is a unique and complete test kit. Featuring the #101A hex handle quick disconnect pitot tube with an ultra-thin straight blade and spare #112 notched ultra-thin blade. The hardware includes a #301 brass hydrant test cap, #303 brass hose test cap, #304 brass faucet test cap, #404 quick disconnect double ball valve bleeder, #501 inspector's hydrant flow nozzle, #502 brass flow nozzle elbow, spare gaskets, thread tape and a #905 Plano large All Weather Case. For the gauges we selected the dependable and easy to read #205 Ashcroft model 1009AW flutterguard gauges with 3.5" dial and 1% full scale accuracy (any psi). NIST gauge certification included. This is a great test kit at an unbeatable price.

\$700.00



#808 Deluxe Test Kit: This is a real deluxe and complete test kit featuring spare gauges. It's packaged with the #101A hex handle quick disconnect pitot tube with and ultra-thin straight blade and a #112 notched ultra-thin blade for a spare. Main hardware includes a #301 brass hydrant test cap, #303 brass hose test cap, #304 brass faucet test cap, #402 single ball valve quick disconnect bleeder, #501 inspector's hydrant flow nozzle, #502 brass flow nozzle elbow, spare gaskets, thread tape and a #905 Plano large All Weather Case. For the gauges we have included 2 of the #212 Ashcroft DG25 digital gauges and 2 of the #205 Ashcroft model 1009AW flutterguard gauges with 3.5" dial and 1% full scale accuracy (any psi). NIST gauge certification and quick disconnect fittings included on all 4 gauges.

\$1185.00



#809 Ultra Test Kit: This is the best of everything you could need. Starting off with 2 pitot tubes: the model #101 with the standard metal blade and a #104A with an ultra-thin straight blade. A #112 notched ultra-thin blade is included as a spare. For the gauges we have included 2 of the #212 Ashcroft DG25 digital gauges and 2 of the #205 Ashcroft model 1009AW flutterguard gauges with 3.5" dial and 1% full scale accuracy (any psi). All of these gauges are supplied with quick disconnect fittings and NIST gauge certification. Main hardware includes a #301 brass hydrant test cap, #303 brass hose test cap, #304 brass faucet test cap, #404 quick disconnect double ball valve bleeder, #501 inspector's hydrant flow nozzle, #502 brass flow nozzle elbow, spare gaskets, thread tape and a #906 Plano extra large All Weather Case. Completing this kit is the #601 model CDT-2000HD digital tachometer with both photo and contact modes and accuracy certification.

\$1500.00



2020 PRICE LIST of ALL INDIVIDUAL COMPONENTS

Pitot Tubes & Blades

#101	Hex Handle Quick Disconnect Pitot Tube w/ #108 standard metal blade.	\$101.95
#101A	Hex Handle Quick Disconnect Pitot Tube w/ #111 ultra-thin metal blade.	\$121.95
#101B	Hex Handle Quick Disconnect Pitot Tube w/ #112 ultra-thin notched metal blade.	\$121.95
#101C	Hex Handle Quick Disconnect Pitot Tube w/ #109 straight plastic blades (2).	\$101.95
#101D	Hex Handle Quick Disconnect Pitot Tube w/ #110 notched plastic blades (2).	\$101.95
#101E	Hex Handle Quick Disconnect Pitot Tube w/ #113 extra-long ultra-thin metal blade.	\$139.95
#104	Round Handle Quick Disconnect Pitot Tube w/ #108 standard metal blade.	\$96.95
#104A	Round Handle Quick Disconnect Pitot Tube w/ #111 ultra-thin metal blade.	\$116.95
#104B	Round Handle Quick Disconnect Pitot Tube w/ #112 ultra-thin notched metal blade.	\$116.95
#104C	Round Handle Quick Disconnect Pitot Tube w/ #109 straight plastic blades (2).	\$96.95
#104D	Round Handle Quick Disconnect Pitot Tube w/ #110 notched plastic blades (2).	\$96.95
#104E	Round Handle Quick Disconnect Pitot Tube w/ #113 extra-long ultra-thin metal blade.	\$134.95
#107	Ultra-Lite Round Handle Quick Disconnect Pitot Tube w/ #108 standard metal blade.	\$116.95
#107A	Ultra-Lite Round Handle Quick Disconnect Pitot Tube w/ #111 ultra-thin straight blade.	\$136.95
#107B	Ultra-Lite Round Handle Quick Disconnect Pitot Tube w/ #112 ultra-thin notched blade.	\$136.95
#107C	Ultra-Lite Round Handle Quick Disconnect Pitot Tube w/ #109 straight plastic blades (2).	\$116.95
#107D	Ultra-Lite Round Handle Quick Disconnect Pitot Tube w/ #110 notched plastic blades (2).	\$116.95
#107E	Ultra-Lite Round Handle Quick Disconnect Pitot Tube w/ #113 extra-long ultra-thin metal blade.	\$154.95
#108	Standard metal blade.	\$36.95
#109	Straight plastic blade w/ stainless tubing.	\$17.50
#110	Notched plastic blade w/ stainless tubing.	\$17.50
#111	Ultra-thin straight metal blade w/ stainless tubing.	\$55.95
#112	Ultra-thin Notched metal blade w/ stainless tubing.	\$55.95
#113	Extra-long, ultra-thin straight metal blade w/ stainless tubing.	\$74.95
#114	*NEW* Heavy duty one piece solid nickel plated brass straight blade.	\$89.95

Pressure Gauges

#201	NEMFG Custom Model Liquid Filled Gauge (2 1/2" Dial)	\$39.95
#202	NEMFG Custom Model (1%) Liquid Filled Gauge (2 1/2" Dial)	\$49.95
#203	NEMFG Custom Model (1%) Special Dry Stabilizer Gauge (3.2" Dial)	\$49.95
#204	Ashcroft Model 1009AW Flutterguard Series Gauge w/ 2 1/2" dial.	\$79.95
#205	Ashcroft Model 1009AW Flutterguard Series Gauge w/ 3 1/2" dial.	\$89.95
#207	NEMFG Custom Model (1%) Liquid Filled Gauge (2 1/2" Dial).	\$49.95
#209	NEMFG Custom Model (1%) Liquid Filled Gauge (3 1/2" Dial).	\$59.95
#210	Ashcroft Fire Protection Sprinkler Service Gauge 0-300psi and 0-600psi (water).	\$17.95
#211	Ashcroft Fire Protection Sprinkler Service Gauge 0-80psi (air).	\$17.95
#212	Model Ashcroft DG25 Digital Gauge (-30-0-300psi and -30-0-600psi).	\$245.00

Test Caps

#301	Brass Hydrant Test Cap w/ 1/4" NPT center for accepting bleeder or gauge.	\$49.95
#302	Aluminum Hydrant Test Cap w/ 1/4" NPT center for accepting bleeder or gauge.	\$49.95
#303	Brass 1 1/2" Hose Cap w/ 1/4" center for gauge or bleeder.	\$37.95
#304	Brass Faucet Cap w/ 1/4" center for gauge or bleeder.	\$9.85

Bleeders & QD Fitting

#401	Single Ball Valve Bleeder.	\$19.95
#402	Single Quick Disconnect Ball Valve Bleeder.	\$35.95
#403	Double Ball Valve Bleeder.	\$35.95
#404	Double Ball Valve Quick Disconnect Bleeder.	\$49.95
#405	Parker Model B23N Brass Quick Disconnect Fitting Complete.	\$19.95

Flow Testing Accessories

#501	Inspector's Hydrant Flow Nozzle.	\$95.95
#502	Brass Flow Nozzle Elbow.	\$109.95
#503	30" UL Underwriter's Playpipe.	\$289.95
#504	Inspector's Choice Hydrant Wrench.	\$23.95
#505	Heavy Duty Hydrant & Spanner Wrench.	\$35.95
#506	Brass Hydrant Adapter (to go from your thread to NST).	\$65.00

Tachometers

#601	Model CDT-2000HD Outfit (photo & contact modes).	\$255.00
#602	Model CDT-1000HD Outfit (photo mode only).	\$194.95

Plano Carrying Cases

#901	Pitot Tube Case: Plano model 10137 (13.5" x 10.13" x 3" OD) holds pitot tube and gauges.	\$13.95
#903	Plano Small Deluxe Case: (14.13" x 10" x 4.3" OD) comes with all the "Shortie" test kits.	\$64.95
#905	Plano Large All-Weather Case: (19" x 14.5" x 8" OD) comes with #805 - #808 test kits.	\$114.95
#906	Plano Extra-Large All-Weather Case: (21.75" x 17.25" x 9" OD) comes with #809 Ultra test kit.	\$134.95

The #905 and #906 Plano All-Weather cases are super strong, dry and feature 3 layers of high density pluck foam, 4 dual stage lockable latches, and comfort grip handle.

***Items sold by NEMFG LLC are intended for use only by professionals in the water industry. Many items sold by NEMFG LLC require supplemental training, licenses or permits for proper use and may be harmful or become damaged if not used properly.**

THEORETICAL DISCHARGE THROUGH CIRCULAR ORIFICES U.S. Gallons (231 cu. in.) per Minute

The amount of water (gpm) flowed is determined by the following formula:

$$GPM = 29.83 C d^2 \sqrt{p}$$

C = nozzle or outlet coefficient d = accurate diameter of the outlet in inches
p = pressure recorded on the pitot tube

Head Lb.Sq.In.	Velocity Discharge Ft. per Sec.	Diameter Orifice (Inches)							
		1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	
1	12.20	37.8	46.7	67.2	91.4	119	151	187	
2	17.25	53.4	66.0	95.0	129	169	214	264	304
3	21.13	65.4	80.8	116	158	207	262	323	384
4	24.39	75.6	93.3	134	183	239	302	373	444
5	27.26	84.5	104	150	204	267	338	417	498
6	29.87	92.5	114	164	224	292	370	457	548
7	32.26	99.9	123	178	242	316	400	494	595
8	34.49	107	132	190	259	338	427	528	639
9	36.58	113	140	201	274	358	453	560	671
10	38.56	119	148	212	289	378	478	590	712
11	40.45	125	155	223	303	396	501	619	740
12	42.24	131	162	233	317	414	524	646	771
13	43.97	136	168	242	330	431	545	673	802
14	45.63	141	175	251	342	447	566	698	833
15	47.22	146	181	260	354	463	586	722	864
16	48.78	151	187	269	366	478	605	746	895
17	50.28	156	192	277	377	493	623	769	926
18	51.73	160	198	285	388	507	642	791	957
19	53.15	165	203	293	399	521	659	813	988
20	54.54	169	209	300	409	534	676	834	1019
22	57.19	177	219	315	429	560	709	875	
24	59.74	185	229	329	448	585	741	914	
26	62.18	193	238	343	466	609	771	951	
28	64.52	200	247	356	484	632	800	987	
30	66.79	207	256	368	501	654	828	1022	
32	68.98	214	264	380	517	676	856	1055	
34	71.10	220	272	392	533	697	882	1088	
36	73.16	226	280	403	548	717	908	1119	
38	75.17	233	288	414	563	736	932	1150	
40	77.11	239	295	425	578	755	956	1180	
42	79.03	245	303	435	592	774	980	1209	
44	80.88	251	310	445	606	792	1003	1237	
46	82.70	256	317	455	620	810	1025	1265	
48	84.48	262	324	465	633	828	1047	1293	
50	86.22	267	330	475	646	845	1069	1319	
52	87.93	272	337	485	659	861	1091	1345	
54	89.61	277	343	494	672	878	1111	1371	
56	91.20	283	350	503	684	894	1132	1396	
58	92.87	288	356	512	696	909	1152	1421	
60	94.45	293	362	520	708	925	1171	1445	

New England Manufacturing, LLC

Address: 47 Industrial Park Rd., Unit D • Romney, WV 26757

Mailing Address: PO Box 1016 • Romney, WV 26757

Toll Free Phone: 800-430-0980

Phone: 321-727-0980

Fax: 304-822-8011

Email: newengmfg@gmail.com Website: nemfg.com



All Major Credit Cards Accepted