



GULF COAST
TOOL & RENTAL

Pressure Technology

[quality defined]

Employees, customers, and vendors have a choice.
We are committed to being that choice.

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Custom Built Test Systems

Our Pressure Technology division specializes in designing, manufacturing, and servicing hydrostatic testers, hydraulic power units, control panels, and inert gas-booster testing systems. We can combine your specifications and our expertise into a custom-built system designed specifically for your application. Put our design team to work for you.



Hydrostatic Test Systems



Spartan Hydrostatic

- An economical and low volume, hand-operated, hydrostatic test pump
- Available in pressures from 500 PSI to 5000 PSI
- Powder coated finish

MODEL NUMBERS	SP-500	SP-1000	SP-3000	SP-5000
MAXIMUM PRESSURE	500 PSI	1000 PSI	3000 PSI	5000 PSI
FLUID IN PORT	1/2" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF
PRESSURE OUT PORT	1/2" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF

WEIGHT	36 LBS
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DIMENSIONS	30" W x 12" D x 13.5" H
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Apollo Hydrostatic

The Apollo is a compact, lightweight, pneumatic, hydrostatic test pump.

- Ideal for low volume tests
- Water-resistant Pelican Case
- Available in two pressure ranges: 2500 PSI and 10000 PSI

MODEL NUMBERS	AP-2500	AP-10000
MAXIMUM PRESSURE	2500 PSI	10000 PSI
HYDROSTATIC FLOW	0.75 GPM	0.15 GPM
AIR VOLUME REQUIRED	20 CFM	20 CFM
AIR PRESSURE REQUIRED	100 PSI	100 PSI
AIR IN PORT	1/4" NPTF	1/4" NPTF
FLUID IN PORT	1/4" NPTF	1/4" NPTF
PRESSURE OUT PORT	1/4" NPTF	1/4" NPTF

WEIGHT	28 LBS
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DIMENSIONS	20.5" W x 17" D x 8.5" H
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Titan

Hydrostatic

The Titan is a portable, pneumatic, hydrostatic test pump on a 4-wheel cart with a pull handle.

- Ideal for rough terrain
- For additional safety, all lines exit away from the operator
- Powder coated finish
- Aluminum housing
- Available in pressure ranges from 500 PSI to 30000 PSI
- Also available without the wheeled cart

MODEL NUMBERS	TI-500-C	TI-1000-C	TI-3600-C	TI-6000-C	TI 10000-C
MAXIMUM PRESSURE	500 PSI	1000 PSI	3600 PSI	6000 PSI	10000 PSI
HYDROSTATIC FLOW	15 GPM	7.5 GPM	2.7 GPM	1.6 GPM	1 GPM
AIR VOLUME REQUIRED	56 CFM	56 CFM	56 CFM	56 CFM	56 CFM
AIR PRESSURE REQUIRED	100 PSI	100 PSI	100 PSI	100 PSI	100 PSI
AIR IN PORT	1/2" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF
FLUID IN PORT	1" NPTF	1" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF
PRESSURE OUT PORT	1" NPTF	1" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF
CHART RECORDER PORT	1/4" NPTF	1/4" NPTF	1/4" NPTF	1/4" NPTF	1/4" NPTF

MODEL NUMBERS	TI-15000-C	TI-25000-C	TI-30000-C
MAXIMUM PRESSURE	15000 PSI	25000 PSI	30000 PSI
HYDROSTATIC FLOW	0.686 GPM	0.432 GPM	0.317 GPM
AIR VOLUME REQUIRED	56 CFM	56 CFM	56 CFM
AIR PRESSURE REQUIRED	100 PSI	100 PSI	100 PSI
AIR IN PORT	1/2" NPTF	1/2" NPTF	1/2" NPTF
FLUID IN PORT	1/2" NPTF	1/2" NPTF	1/2" NPTF
PRESSURE OUT PORT	1/4" HPF	1/4" HPF	1/4" HPF
CHART RECORDER PORT	1/4" HPF	1/4" HPF	1/4" HPF

WEIGHT	105 LBS
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DIMENSIONS	32" W x 21" D x 30" H
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Atlas

Hydrostatic

The Atlas is our most popular single-stage, pneumatic, hydrostatic test pump for the upstream market.

- A standup, ergonomically designed test pump
- Powder coated finish
- Aluminum housing
- Ideal for production environments
- Available in pressure ranges from 500 PSI to 50000 PSI

MODEL NUMBERS	AT-500	AT-1000	AT-3600	AT-6000	AT-10000
MAXIMUM PRESSURE	500 PSI	1000 PSI	3600 PSI	6000 PSI	10000 PSI
HYDROSTATIC FLOW	15 GPM	7.5 GPM	2.7 GPM	1.6 GPM	1 GPM
AIR VOLUME REQUIRED	56 CFM	56 CFM	56 CFM	56 CFM	56 CFM
AIR PRESSURE REQUIRED	100 PSI	100 PSI	100 PSI	100 PSI	100 PSI
AIR IN PORT	1/2" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF
FLUID IN PORT	1" NPTF	1" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF
PRESSURE OUT PORT	1" NPTF	1" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF
CHART RECORDER PORT	1/4" NPTF	1/4" NPTF	1/4" NPTF	1/4" NPTF	1/4" NPTF

MODEL NUMBERS	AT-15000	AT-25000	AT-30000	AT-50000
MAXIMUM PRESSURE	15000 PSI	25000 PSI	30000 PSI	50000 PSI
HYDROSTATIC FLOW	0.686 GPM	0.432 GPM	0.317 GPM	0.200 GPM
AIR VOLUME REQUIRED	56 CFM	56 CFM	56 CFM	56 CFM
AIR PRESSURE REQUIRED	100 PSI	100 PSI	100 PSI	100 PSI
AIR IN PORT	1/2" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF
FLUID IN PORT	1/2" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF
PRESSURE OUT PORT	1/4" HPF	1/4" HPF	1/4" HPF	1/4" HPF
CHART RECORDER PORT	1/4" HPF	1/4" HPF	1/4" HPF	1/4" HPF

WEIGHT	94 LBS
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DIMENSIONS	23" W x 18" D x 44" H
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Hercules

Hydrostatic

The Hercules is multi-stage, pneumatic, hydrostatic test pump, capable of higher GPM's.

- Ideal for testing higher volume products such as blow out preventors, manifolds, and pipelines
- Powder coated finish
- Available in pressure ranges from 10000 PSI to 30000 PSI

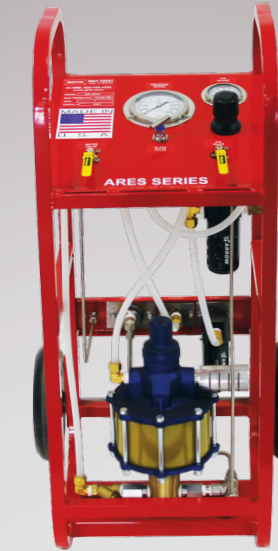
Optional Features Include:

- Offshore Paint

MODEL NUMBERS	HE-10000	HE-25000	HE-30000
MAXIMUM PRESSURE	10000 PSI	25000 PSI	30000 PSI
HYDROSTATIC FLOW	25.1 GPM	8.7 GPM	8.35 GPM
AIR VOLUME REQUIRED	392 CFM	392 CFM	392 CFM
AIR PRESSURE REQUIRED	100 PSI	100 PSI	100 PSI
AIR IN PORT	1" NPTF	1" NPTF	1" NPTF
FLUID IN PORT	1" NPTF	1" NPTF	1" NPTF
PRESSURE OUT PORT	1" NPTF (X2)	9/16" HPF (X2)	9/16" HPF (X2)
CHART RECORDER PORT	1/4" NPTF	1/4" HPF	1/4" HPF

WEIGHT	770 LBS
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DIMENSIONS	54" W x 36" D x 49" H
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Ares

Hydrostatic

The Ares Series features an ergonomically designed and lightweight aluminum frame, high-quality stainless steel tubing, and integrated filter, making it the most popular hydrostatic test pump for the downstream market.

- Higher level of operator and jobsite safety
- For additional safety, all pressure lines enter and exit away from the operator
- Powder coated finish
- Aluminum housing
- Available in pressures ranges from 3600 PSI to 10000 PSI

MODEL NUMBERS	AR-3600	AR-6000	AR-10000
MAXIMUM PRESSURE	3600 PSI	6000 PSI	10000 PSI
HYDROSTATIC FLOW	2.7 GPM	1.6 GPM	1 GPM
AIR VOLUME REQUIRED	56 CFM	56 CFM	56 CFM
AIR PRESSURE REQUIRED	100 PSI	100 PSI	100 PSI
AIR IN PORT	1/2" NPTF	1/2" NPTF	1/2" NPTF
FLUID IN PORT	1/2" NPTF	1/2" NPTF	1/2" NPTF
PRESSURE OUT PORT	1/2" NPTF	1/2" NPTF	1/2" NPTF

WEIGHT	74 LBS
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DIMENSIONS	24" W x 22" D x 40" H
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Offshore Systems



Poseidon Off Shore – Hydrostatic

The Poseidon is a multi-stage, hydrostatic test pump, featuring a built in chart recorder.

- Designed, rated, and PE stamped for offshore usage
- Powder coated finish
- Storage compartments for additional hoses, fittings, etc.
- Available in hydrostatic pressure ranges from 10000 PSI to 30000

Optional Features Include:

- Combination hydrostatic/gas booster test system
- Internal reservoir
- Offshore paint

MODEL NUMBERS	PO-10000	PO-25000	PO-30000
MAXIMUM PRESSURE	10000 PSI	25000 PSI	30000 PSI
HYDROSTATIC FLOW	23.4 GPM	6 GPM	5.65 GPM
AIR VOLUME REQUIRED	336 CFM	336 CFM	336 CFM
AIR PRESSURE REQUIRED	100 PSI	100 PSI	100 PSI
AIR IN PORT	1" NPTF	1" NPTF	1" NPTF
FLUID IN PORT	1" NPTF	1" NPTF	1" NPTF
PRESSURE OUT PORT	1/2" NPTF (X2)	9/16" HPF (X2)	9/16" HPF (X2)

WEIGHT	1,800 LBS
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DIMENSIONS	72" W x 36" D x 70.5" H
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Poseidon

Off Shore – Gas Booster

The Poseidon is a multi-stage gas booster, featuring a built in chart recorder.

- Designed, rated, and PE stamped for offshore usage
- Powder coated finish
- Storage compartment for additional hoses, fittings, etc.
- Available in hydrostatic pressure ranges from 9000 PSI to 35000

Optional Features Include:

- Combination hydrostatic/gas booster test system
- Internal reservoir
- Offshore paint

MODEL NUMBERS	PO-9000-GB	PO-25000-GB	PO-35000-GB
MAXIMUM PRESSURE	9000 PSI	25000 PSI	35000 PSI
AIR VOLUME REQUIRED	100 CFM	100 CFM	100 CFM
AIR PRESSURE REQUIRED	100 PSI	100 PSI	100 PSI
AIR IN PORT	1" NPTF	1" NPTF	1" NPTF
GAS IN PORT	1/2" NPTF	1/2" NPTF	1/2" NPTF
PRESSURE OUT PORT	1/2" NPTF (X2)	9/16" HPF (X2)	9/16" HPF (X2)

WEIGHT	1,800 LBS
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DIMENSIONS	72" W x 36" D x 70.5" H
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Gas Booster Test Systems



Atlas Gas Booster

The Atlas is a single-stage gas booster that provides a solution when the use of water or other fluids is not recommended.

- Works in conjunction with nitrogen or other inert gasses
- Ideal for tests that cannot risk water or other contamination
- Powder coated finish
- Aluminum housing
- Available in pressure ranges from 3000 PSI to 35000 PSI

MODEL NUMBERS	AT-3000-GB	AT-9000-GB	AT-35000-GB
MAXIMUM PRESSURE	3000 PSI	9000 PSI	35000 PSI
AIR VOLUME REQUIRED	50 CFM	50 CFM	50 CFM
AIR PRESSURE REQUIRED	100 PSI	100 PSI	100 PSI
AIR IN PORT	1/2" NPTF	1/2" NPTF	1/2" NPTF
GAS IN PORT	1/4" NPTF	1/4" NPTF	1/4" NPTF
PRESSURE OUT PORT	1/2" NPTF	1/2" NPTF	1/4" HPF
CHART RECORDER PORT	1/4" NPTF	1/4" NPTF	1/4" HPF

WEIGHT	94 LBS
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DIMENSIONS	23" W x 18" D x 44" H
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Hercules Gas Booster

The Hercules is multi-stage gas booster, capable of higher flow rates, making it ideal for testing higher volume products.

- Works in conjunction with nitrogen or other inert gasses
- Ideal for large volume tests that cannot risk water or other contamination
- Powder coated finish
- Available in pressure ranges from 3000 PSI to 35000 PSI

Optional Features Include:

- Offshore paint

MODEL NUMBERS	HE-3000-GB	HE-9000-GB	HE-25000-GB	HE-35000-GB
MAXIMUM PRESSURE	3000 PSI	9000 PSI	25000 PSI	35000 PSI
AIR VOLUME REQUIRED	100 CFM	100 CFM	100 CFM	100 CFM
AIR PRESSURE REQUIRED	100 PSI	100 PSI	100 PSI	100 PSI
AIR IN PORT	1" NPTF	1" NPTF	1" NPTF	1" NPTF
GAS IN PORT	1/2" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF
PRESSURE OUT PORT	1/2" NPTF	1/2" NPTF	9/16" HPF	9/16" HPF

WEIGHT	745 LBS
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DIMENSIONS	54" W x 36" D x 49" H
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Nitrogen/Gas Control Panel Systems



Apollo Nitrogen / Gas Control Panel

The Apollo is utilized to regulate inert gas between 0 and 2000 PSI.

- Ideal for tests that cannot risk water or other contamination
- A more accurate alternative to the traditional method of using a welding regulator
- Water-resistant Pelican Case
- Available in pressure ranges from 1000 PSI to 2000 PSI

MODEL NUMBERS	AP-NCP-1000	AP-NCP-2000
PRESSURE RANGE	1000 PSI	2000 PSI
MAXIMUM INLET PRESSURE	3000 PSI	3000 PSI
GAS IN PORT	1/4" NPTF	1/4" NPTF
PRESSURE OUT PORT	1/4" NPTF	1/4" NPTF
AUXILIARY OUT PORT	1/4" NPTF	1/4" NPTF

WEIGHT	28 LBS
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DIMENSIONS	20.5" W x 17" D x 8.5" H
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Tension Pump Systems



Tension Pump

The Tension Pump is used to operate multiple tensioners.

- High-capacity, three-gallon reservoir with sight glass
- Powder coated finish
- Can be utilized as a low volume HPU
- Available in pressure ranges from 25000 PSI to 50000 PSI

MODEL NUMBERS	TE-25000	TE-30000	TE-50000
MAXIMUM PRESSURE	25000 PSI	30000 PSI	50000 PSI
HYDROSTATIC FLOW	0.432 GPM	0.317 GPM	0.200 GPM
AIR VOLUME REQUIRED	56 CFM	56 CFM	56 CFM
AIR PRESSURE	100 PSI	100 PSI	100 PSI
AIR IN PORT	1/2" NPTF	1/2" NPTF	1/2" NPTF
PRESSURE OUT PORT	1/4" HPF	1/4" HPF	1/4" HPF

WEIGHT	61 LBS
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DIMENSIONS	17" W x 17" D x 20" H
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Accessories



Chart Recorder

Chart recorders are the industry standard for measurement and recording of pressure and temperature in a wide variety of applications.

- Utilizes a 12" chart that is widely used in gas transmission and distribution fields
- Maintains reliability throughout extreme variations in static pressure and ambient temperatures
- Available in pressures ranges from 100 PSI to 30000 PSI

MODEL NUMBERS	CR-100	CR-500	CR-1000	CR-2000	CR-5000
MAXIMUM PRESSURE	100 PSI	500 PSI	1000 PSI	2000 PSI	5000 PSI
PRESSURE INLET PORT	1/4" NPTF	1/4" NPTF	1/4" NPTF	1/4" NPTF	1/4" NPTF
MAXIMUM TEMPERATURE	150°	150°	150°	150°	150°

MODEL NUMBERS	CR-10000	CR-15000	CR-20000	CR-30000
MAXIMUM PRESSURE	10000 PSI	15000 PSI	20000 PSI	30000 PSI
PRESSURE INLET PORT	1/4" HPF	1/4" HPF	1/4" HPF	1/4" HPF
MAXIMUM TEMPERATURE	150°	150°	150°	150°

WEIGHT	29 LBS
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DIMENSIONS	14" W x 9" D x 22" H
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Digital Data Acquisition (Smart Recorder Version 2.1)

The Smart Recorder, a Digital Data Acquisition System, is an operator friendly, versatile instrument that measures and displays pressure and peak pressure using real-time data in an easy to read graph format. Compared to conventional measurement systems, such as chart recorders, our Smart Recorder utilizes the processing power, efficiency, and connectivity competencies of Windows-based computers providing a more cost-effective measurement solution.

Standard Features

- High degree of accuracy of +/- 0.25% (a quarter percent of range)
- Tamper-resistant testing capabilities
- Water-resistant Pelican Case
- Adjustable pressure alarm
- High visibility electro-luminescent display
- USB data logging
- Reads digitally PSI or bar
- Heavy-duty, rechargeable battery with 120 AC outlet
- Pressure transducers available from 0-200K (25' field cable assembly)
- Water-resistant keypad
- Stand-alone recording (no connected pc required)
- Single-user dedicated program
- Adjustable pressure sampling
- Supplied with 8GB thumb drive (holds over 2,000 hours of testing)

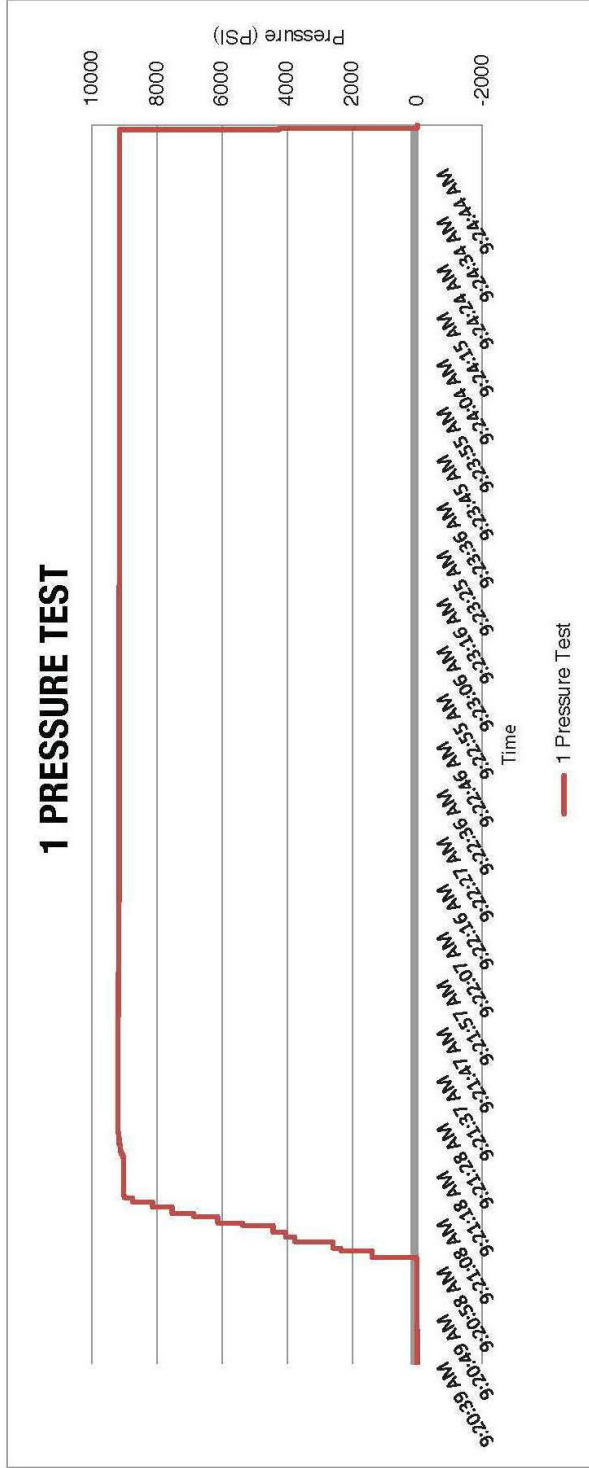
Optional Features

- Ultra-high-accuracy pressure transducer of +/- 0.08%
- Impact-resistant laptop
- Multiple thumb drives
- Temperature transducer available from 0-150°C (25' field case assembly)

Operator: Pump Shop
 Report Date: 7/21/2014
 Job Number: 1
 Test Equipment: Smart Recorder v2.1
 Pressure Units: PSI
 Customer: GCTR

SMART RECORDER

VERSION 2.1



Min. Pressure 0 PSI
 Max. Pressure 9197 PSI
 Test Start 9:20:39 AM
 Test Stop 9:25:23 AM
 Test Duration 0:04:44



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TOOL & RENTAL w gctr.com

Signature: _____ Date: _____

Test Tree/Manifold

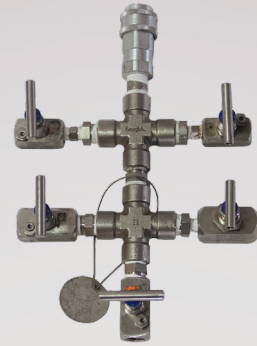
Test Trees/Manifolds are utilized for connecting multiple items to one port, such as gauges, chart recorders, and hydrostatic test pumps. They can also be used to isolate pressure in a product that is being tested.



Test Tree

- Available in three different pressure variations: 10000 PSI, 30000 PSI, and 60000 PSI

MAXIMUM PRESSURE	10000 PSI	30000 PSI	60000 PSI
PRESSURE IN PORT	1/2" NPTF	9/16" HPF	1/4" HPF
PRESSURE OUT PORT	1/2" NPTF	9/16" HPF	1/4" HPF
CHART RECORDER PORT	1/4" NPTF	9/16" HPF	1/4" HPF
BLEED VALVE PORTS	1/4" NPTF	9/16" HPF	1/4" HPF
GAUGE QDC	1/2" HPF		



Test Manifolds

- Available in two pressures: 30000 PSI and 60000 PSI and two connection sizes: 1/4" HPF and 9/16" HPF

1/4" HP DESIGN

MAXIMUM PRESSURE	30000 PSI	60000 PSI
PRESSURE IN PORT	1/4" HPF	1/4" HPF
PRESSURE OUT PORT	1/4" HPF (x3)	1/4" HPF (x3)

9/16" HP DESIGN

MAXIMUM PRESSURE	30000 PSI	60000 PSI
PRESSURE IN PORT	9/16" HPF	9/16" HPF
PRESSURE OUT PORT	9/16" HPF (x3)	9/16" HPF (x3)

Pressure Relief Valves

We offer Pressure Relief Valves in a wide variety of options.

- All valves are available with springs set per customer specification, ranging in pressures from 50 PSI 6000 PSI

MODEL NUMBERS	PRV-A	PRV-B	PRV-C	PRV-D	PRV-E
PRESSURE RANGE	50-350 PSI	350-750 PSI	750-1500 PSI	1500-2250 PSI	2250-3000 PSI
SPRING COLOR	BLUE	YELLOW	PURPLE	ORANGE	BROWN
INLET PORT	1/4" NPTF	1/4" NPTF	1/4" NPTF	1/4" NPTF	1/4" NPTF
RELIEF PORT	1/4" NPTF	1/4" NPTF	1/4" NPTF	1/4" NPTF	1/4" NPTF

MODEL NUMBERS	PRV-F	PRV-G	PRV-H
PRESSURE RANGE	3000-4000 PSI	4000-5000 PSI	5000-6000 PSI
SPRING COLOR	WHITE	RED	GREEN
INLET PORT	1/4" NPTF	1/4" NPTF	1/4" NPTF
RELIEF PORT	1/4" NPTF	1/4" NPTF	1/4" NPTF

Gauges

We carry gauges in a broad selection of dial sizes and pressure configurations.

- Available in pressure ranges from 30 PSI to 60000 PSI
- Offered in analog and digital from 2-1/2" to 6"

Hoses

We offer a wide variety hoses that will meet your pressure requirements. Whether it is a 200 PSI air or water hose or a 50000 PSI high pressure hose, we can be sure to meet your needs.

GLOSSARY

CFM / Cubic Feet Per Minute

GPM / Gallons Per Minute

HPF / High Pressure Female

HPM / High Pressure Male

MAWP / Maximum Allowable Working Pressure

NPTF / National Pipe Thread Female

NPTM / National Pipe Thread Male

PRV / Pressure Relief Valve

PSI / Pounds Per Square Inch

QDC / Quick Disconnect

HYDROSTATIC TEST SYSTEM APPLICATION CHART

GPM	PSI											
	500	1,000	2,500	3,000	3,600	5,000	6,000	10,000	15,000	25,000	30,000	50,000
0.15	SP-500	SP-1000		SP-3000				AP-10000				AT-30000 TE-30000 TI-30000
0.2												
0.317												
0.432										AT-25000 TE-25000 TI-25000		
0.686									AT-15000 TI-15000			
0.75			AP-2500									
1								AR-10000 AT-10000 TI-10000				
1.6							AR-6000 AT-6000 TI-6000					
2.7					AR-3600 AT-3600 TI-3600							
5.65												PO-30000
6											PO-25000	
7.5		AT-1000 TI-1000										
8.35												
8.7										HE-25000		
15	AT-500 TI-500											
23.4								PO-10000				
25.1								HE-10000				

