

**AMETEK**<sup>®</sup>  
SENSORS, TEST & CALIBRATION



# Complete Pressure Systems

Crystal  
pressure

JOFRA  
calibration

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calibration



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# ■ Ready-to Use Calibration Solutions

## Pump Systems Designed for Your Specific Requirements

**A** METEK offers a variety of solutions for pressure generation and measurement. Our line of products for pressure generation includes everything from small pneumatic hand pumps to a precision, hydraulic pressure comparator capable of generating up to 15 000 psi / 1000 bar / 100 MPa.

All of our pumps may be ordered as part of a Pump System, complete with a Crystal Reference Indicator and delivered in a sturdy carrying case with custom insert.

### Key Features & Options

- ▶ Easy to use fine adjustments.
- ▶ CPF\* Fittings and Hoses.
- ▶ Oil or water compatible.
- ▶ Wide pressure ranges.

\* U.S. Patent No. 8,794,677



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# ■ Pump Systems Overview

| Pump System |             |                                       |           |           |           |           | Case Options                                                                                                           |          |                           |
|-------------|-------------|---------------------------------------|-----------|-----------|-----------|-----------|------------------------------------------------------------------------------------------------------------------------|----------|---------------------------|
|             | Part Number | Pressure Range                        | Pneumatic | Hydraulic | Hand Pump | Bench Top | Included Pump                                                                                                          | Aluminum | Waterproof (Pelican Case) |
| System A    | AXX         | 0 to 30psi / 2 bar                    | ■         |           | ■         |           |  T-960-CPF                          | ■        | ■                         |
|             | AHX         | 0 to 580 psi / 40 bar                 | ■         |           | ■         |           |  T-970-CPF                          | ■        | ■                         |
| System B    | BXX         | -25 inHg to 30 psi / -0.85 to 2 bar   | ■         |           | ■         |           |  T-965-CPF                          | ■        | ■                         |
|             | BHX         | -27 inHg to 580 psi / -0.91 to 40 bar | ■         |           | ■         |           |  T-975-CPF                          | ■        | ■                         |
| System C    | CXX         | 0 to 3000 psi / 200 bar               |           | ■ (Oil)   | ■         |           |  T-620-CPF                         | ■        | ■                         |
|             | CHX         | 0 to 5000 psi / 350 bar               |           | ■ (Oil)   | ■         |           |  T-620H-CPF                       | ■        | ■                         |
| System D    | DOX         | 0 to 5000 psi / 350 bar               |           | ■ (Oil)   |           | ■         |  P-018-CPF                        | ■        |                           |
|             | DWX         | 0 to 5000 psi / 350 bar               |           | ■ (Water) |           | ■         |  P-014-CPF                        | ■        |                           |
| System E    | EOX         | 0 to 10 000 psi / 700 bar             |           | ■ (Oil)   |           | ■         |  T-1-CPF                          | ■        |                           |
| System F    | FOV         | 0 to 15 000 psi / 1000 bar            |           | ■ (Oil)   |           | ■         |  GaugeCalHP                       | ■        | ■                         |
|             | FWV         | 0 to 15 000 psi / 1000 bar            |           | ■ (Water) |           | ■         |  T-975-CPF<br>(and)<br>T-620H-CPF | ■        | ■                         |
| System G    | GOX         | 0 to 15 000 psi / 1000 bar            |           | ■ (Oil)   |           | ■         |                                                                                                                        |          | ■                         |
|             | GWX         | 0 to 15 000 psi / 1000 bar            |           | ■ (Water) |           | ■         |                                                                                                                        |          | ■                         |
| System H    | HOX         | -27 inHg to 580 psi / -0.91 to 40 bar | ■         |           | ■         |           |  T-975-CPF<br>(and)<br>T-620H-CPF |          | ■                         |
|             |             | 0 to 5000 psi / 350 bar               |           | ■ (Oil)   | ■         |           |                                                                                                                        |          | ■                         |

# ■ Systems A & B

## Pump Overview

**T-900 Series** pneumatic pressure pumps feature an extended range fine adjust for precise control of pressure. A built-in relief valve and dual pressure output enable safe and simple operation. The T-965 and T-975 are available with a button valve, making them capable of switching easily from pressure to vacuum generation.

### Key Features

- ▶ Lightweight, compact design.
- ▶ Two outlet ports.
- ▶ Adjustable stroke.
- ▶ Generates up to 580 psi / 40 bar *and* vacuum.

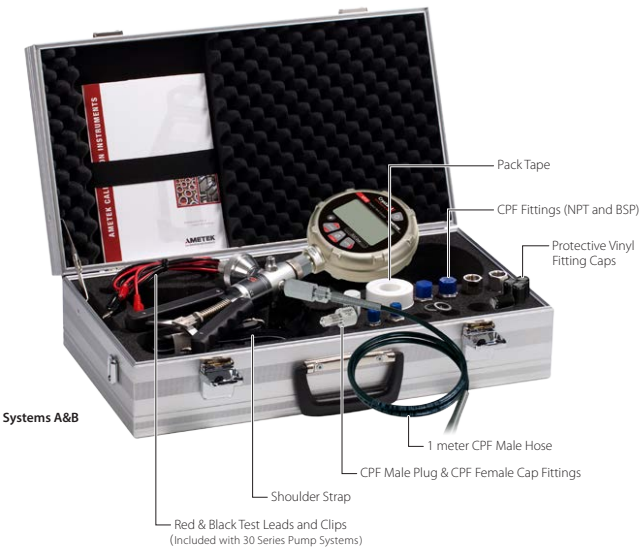
[Learn more here](#) ◀



T-975-CPF pneumatic pump

## System Overview

| Pump System | Pressure | Vacuum | Pressure Range                        | Pump      |
|-------------|----------|--------|---------------------------------------|-----------|
| AXX         | ■        |        | 0 to 30psi / 2 bar                    | T-960-CPF |
| BXX         | ■        | ■      | -25 inHg to 30 psi / -0.85 to 2 bar   | T-965-CPF |
| AHX         | ■        |        | 0 to 580 psi / 40 bar                 | T-970-CPF |
| BHX         | ■        | ■      | -27 inHg to 580 psi / -0.91 to 40 bar | T-975-CPF |



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## Parts Included with Pump Systems A and B

| Part Number | Description                                                       | System A |       | System B |       |
|-------------|-------------------------------------------------------------------|----------|-------|----------|-------|
|             |                                                                   | AXX      | AHX   | BXX      | BHX   |
| 5238        | 3/8" BSP Male to CPF Male Fitting                                 | ■        | ■     | ■        | ■     |
| 5252        | 5/16-24 SAE Male to CPF Female Fitting                            | ■        | ■     | ■        | ■     |
| MPF-1/4FPT  | CPF Female to 1/4" NPT Female Fitting                             | ■        | ■     | ■        | ■     |
| MPF-1/4BSPF | CPF Female to 1/4" BSP Female Fitting                             | ■        | ■     | ■        | ■     |
| MPF-1/8MPT  | 1/8" MPT Fitting (for 30 Series Calibrator)                       | ■ (2)    | ■ (2) | ■ (2)    | ■ (2) |
| MPH-1       | 1 meter CPF Male Hose                                             | ■        | ■     | ■        | ■     |
| 60R120      | 1/4" Bonded Seals                                                 | ■ (5)    | ■ (5) | ■ (5)    | ■ (5) |
| 50-REP700   | O-ring and Lock Clip                                              | ■ (5)    | ■ (5) | ■ (5)    | ■ (5) |
| 1351        | Test Leads; Red & Black, including clips (for 30 Series)          | ■        | ■     | ■        | ■     |
| 5249        | Protective Vinyl Cap                                              | ■ (4)    | ■ (4) | ■ (4)    | ■ (4) |
| 601104      | Pack Tape (1 roll)                                                | ■        | ■     | ■        | ■     |
| 124004      | Shoulder Strap                                                    | ■        | ■     | ■        | ■     |
| 124110      | Aluminum Carrying Case (for nVision, HPC40 Series, and 30 Series) | ■        | ■     | ■        | ■     |
| 125254      | Aluminum Carrying Case (for XP2i and m1)                          | ■        | ■     | ■        | ■     |
| 2888 *      | Waterproof Carrying Case (for all gauges)                         | □        | □     | □        | □     |

## Carrying Case Options

Pump Systems A and B are delivered with an Aluminum Carrying Case.

\* Alternately, they may be ordered with a Waterproof Carrying Case by entering -W in the pump system ordering code. The Shoulder Strap and the Aluminum Carrying Case will be replaced by the Waterproof Carrying Case.



## Ordering a Pump System

Any T-900 Series Pump System may be ordered with or without a reference indicator. The table below provides an explanation of the Pump System ordering scheme when ordering a system without an indicator. For details on ordering the Pump Systems with an indicator, see the indicator datasheet.

| Reference Indicator           | Pump System                     | Carrying Case         |
|-------------------------------|---------------------------------|-----------------------|
| nVision . . . . . NV-NONE     | System A (T-960-CPF) . . . -AXX | Aluminum . . . (omit) |
| 30 Series . . . . . IS30-NONE | System A (T-970-CPF) . . . -AHX | Waterproof . . . -W   |
| HPC40 Series . . . HPC40-NONE | System B (T-965-CPF) . . . -BXX |                       |
| HPC50 Series . . . HPC50-NONE | System B (T-975-CPF) . . . -BHX |                       |
| XP2i . . . . . XP2i-NONE      |                                 |                       |
| m1 . . . . . M1-NONE          |                                 |                       |

### ► SAMPLE PART NUMBERS

NV-NONE-AXX . . . . . System A pump system (for nVision) with an aluminum carrying case.

M1-NONE-BXX-W . . . . . System B pump system (for m1) with a waterproof carrying case.

1KPSIXP2i-AXX-W . . . . . System A pump system in a waterproof carrying case, with an XP2i gauge (1000 psi).



# ■ System C

## Pump Overview

**T-600 Series** is a lightweight and portable hydraulic hand pump, specially designed for high pressure applications. A fine adjust allows precise control of pressure, while a vent valve provides quick and positive shut-off and pressure release. The pump is compatible with petroleum-based oils or hydraulic fluids.

### Key Features

- ▶ Two outlet ports.
- ▶ Large reservoir.
- ▶ Easy-to-use fine adjust.
- ▶ Generates up to 5000 psi/350 bar.

[Learn more here](#) ◀



T-620H-CPF hydraulic pump

## System Overview

| Pump System | Pressure Range          | Pump       |
|-------------|-------------------------|------------|
| CXX         | 0 to 3000 psi / 200 bar | T-620-CPF  |
| CHX         | 0 to 5000 psi / 350 bar | T-620H-CPF |



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## Parts Included with Pump System C

| Part Number  | Description                                              | System C |       |
|--------------|----------------------------------------------------------|----------|-------|
|              |                                                          | CXX      | CHX   |
| MPF-1/4FPT   | CPF Female to 1/4" NPT Female Fitting                    | ■        | ■     |
| MPF-1/4BSPF  | CPF Female to 1/4" BSP Female Fitting                    | ■        | ■     |
| MPF-1/8MPT * | CPF Female to 1/8" NPT Male Fitting                      | ■        | ■     |
| MPM-PLUG     | CPF Male Plug Fitting                                    | ■        | ■     |
| MPF-CAP      | CPF Female Cap Fitting                                   | ■        | ■     |
| MPH-1        | 1 meter CPF Male Hose                                    | ■        | ■     |
| 60R120       | 1/4" Bonded Seals                                        | ■ (5)    | ■ (5) |
| 1351         | Test Leads; Red & Black, including clips (for 30 Series) | ■        | ■     |
| 5249         | Protective Vinyl Cap                                     | ■ (4)    | ■ (4) |
| 60I104       | Pack Tape (1 roll)                                       | ■        | ■     |
| 124004       | Shoulder Strap                                           | ■        | ■     |
| 124299       | Aluminum Carrying Case (for nVision and 30 Series)       | ■        | ■     |
| 125255       | Aluminum Carrying Case (for XP2i and m1)                 | ■        | ■     |
| 2888 **      | Waterproof Carrying Case                                 | □        | □     |

\* When a Pump System C is ordered for a 30 Series Calibrator, two (2) additional MPF-1/8MPT fittings are included

## Carrying Case Options

Pump Systems C are delivered with an Aluminum Carrying Case. \* Alternately, they may be ordered with a Waterproof Carrying Case by entering -W in the pump system ordering code. The Shoulder Strap and the Aluminum Carrying Case will be replaced by the Waterproof Carrying Case.



## Ordering a Pump System

Any T-600 Series Pump System may be ordered with or without a reference indicator. The table below provides an explanation of the Pump System ordering scheme when ordering a system without an indicator. For details on ordering the Pump Systems with an indicator, see the indicator datasheet.

| Reference Indicator         | Pump System                    | Carrying Case        |
|-----------------------------|--------------------------------|----------------------|
| nVision ..... NV-NONE       | System C (T-620-CPF) .... -CXX | Aluminum .... (omit) |
| 30 Series..... IS30-NONE    | System C (T-620H-CPF)... -CHX  | Waterproof .... -W   |
| HPC40 Series ... HPC40-NONE |                                |                      |
| HPC50 Series ... HPC50-NONE |                                |                      |
| XP2i ..... XP2i-NONE        |                                |                      |
| m1..... M1-NONE             |                                |                      |

### ► SAMPLE PART NUMBERS

NV-NONE-CXX ..... System C pump system (for nVision) with an aluminum carrying case.

M1-NONE-CHX-W .... System C pump system (for m1) with a waterproof carrying case.

3KPSIXP2i-CXX-W .. System C pump system in a waterproof carrying case, with an XP2i gauge (3000 psi).

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# ■ System D

## Pump Overview

**P-018** hydraulic screw pumps produce pressure with superior control. The adjustable reference pressure port lets you set your reference gauge at the best viewing angle.

### Key Features

- ▶ Generates 5000 psi/350 bar.
- ▶ Easy-to-use fine adjust.
- ▶ Adjustable reference port.
- ▶ Compatible with water or oil.

[Learn more here](#) ◀

## System Overview

| Pump System | Pressure Range        | Test Media    | Media Specifics | Pump      |
|-------------|-----------------------|---------------|-----------------|-----------|
| DOX         | 0 to 5000 psi/350 bar | Hydraulic Oil | Rando HDZ32     | P-018-CPF |
| DWX         | 0 to 5000 psi/350 bar | Water         | Distilled Water | P-018-CPF |



## Parts Included with Pump System D

| Part Number | Description                                              | System D    |
|-------------|----------------------------------------------------------|-------------|
|             |                                                          | DOX and DWX |
| MPM-1/4BSPM | CPF Male to Screw Pump Adapter                           | ■ (2)       |
| 5254        | 1/4" BSP Female to 1/4" BSP Female Fitting               | ■           |
| MPF-1/4FPT  | CPF Female to 1/4" NPT Female Fitting                    | ■           |
| MPF-1/4BSPF | CPF Female to 1/4" BSP Female Fitting                    | ■           |
| MPF-1/8MPT  | 1/8" MPT Fitting (for 30 Series Calibrator)              | ■ (2)       |
| MPF-CAP     | CPF Female Cap Fitting                                   | ■           |
| SPK-HPC-004 | 1/4" BSP Male to 1/4" BSP Male Banjo Connector           | ■           |
| 60R955      | 1/4" Male BSP Plugs                                      | ■ (4)       |
| 60R120      | 1/4" Bonded Seals                                        | ■ (5)       |
| 60P013      | 1/4" BSP Male Fine Adjust                                | ■           |
| 1351        | Test Leads; Red & Black, including clips (for 30 Series) | ■           |
| 5249        | Protective Vinyl Cap                                     | ■ (4)       |
| 60I104      | Pack Tape (1 roll)                                       | ■           |
| 60R159      | Allen Key                                                | ■           |
| 124004      | Shoulder Strap                                           | ■           |
| 124301      | Aluminum Carrying Case                                   | ■           |

## Carrying Case

Pump System D is delivered with an Aluminum Carrying Case.



## Ordering a Pump System

Any P-Series Pump System may be ordered with or without a reference indicator. The table below provides an explanation of the Pump System ordering scheme when ordering a system without an indicator. For details on ordering the Pump Systems with an indicator, see the indicator datasheet.

| Reference Indicator         | Pump System                   |
|-----------------------------|-------------------------------|
| nVision ..... NV-NONE       | System D (P-018-CPF) ....-DOX |
| 30 Series..... IS30-NONE    | System D (P-018-CPF) ....-DWX |
| HPC40 Series ... HPC40-NONE |                               |
| HPC50 Series ... HPC50-NONE |                               |
| XP2i ..... XP2i-NONE        |                               |
| m1..... M1-NONE             |                               |

### ► SAMPLE PART NUMBERS

NV-NONE-DOX..... System D pump system (for nVision) for use with oil.

IS30-NONE-DWX.... System D pump system (for 30 Series) for use with water.

5KPSIXP2i-DWX.... System D pump system for use with water, with an XP2i gauge (5000 psi).

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# ■ System E

## Pump Overview

**P**<sub>014</sub> hydraulic jack pumps are designed for high pressure oil applications. Its small size and light weight makes it a sensible, rugged and portable pressure generating solution.

### Key Features

- ▶ Generates 10 000 psi / 700 bar.
- ▶ Small, and light weight.
- ▶ Easy-to-use fine adjust.
- ▶ Four pressure output manifold.

[Learn more here](#) ◀

## System Overview

| Pump System | Pressure Range            | Test Media    | Media Specifics | Pump     |
|-------------|---------------------------|---------------|-----------------|----------|
| EOX         | 0 to 10 000 psi / 700 bar | Hydraulic Oil | Rando HDZ32     | P014-CPF |



P014-CPF hydraulic jack pump

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### Parts Included with Pump System E

| Part Number | Description                                              | System E |
|-------------|----------------------------------------------------------|----------|
|             |                                                          | EOX      |
| MPM-1/4BSPM | CPF Male to Screw Pump Adapter                           | ■ (2)    |
| 5254        | 1/4" BSP Female to 1/4" BSP Female Fitting               | ■        |
| MPF-1/4FPT  | CPF Female to 1/4" NPT Female Fitting                    | ■        |
| MPF-1/4BSPF | CPF Female to 1/4" BSP Female Fitting                    | ■        |
| MPF-1/8MPT  | 1/8" MPT Fitting (for 30 Series Calibrator)              | ■ (2)    |
| MPF-CAP     | CPF Female Cap Fitting                                   | ■        |
| SPK-HPC-004 | 1/4" BSP Male to 1/4" BSP Male Banjo Connector           | ■        |
| 60R955      | 1/4" Male BSP Plugs                                      | ■ (4)    |
| 60R120      | 1/4" Bonded Seals                                        | ■ (5)    |
| 60P013      | 1/4" BSP Male Fine Adjust                                | ■        |
| 1351        | Test Leads; Red & Black, including clips (for 30 Series) | ■        |
| 5249        | Protective Vinyl Cap                                     | ■ (4)    |
| 60I104      | Pack Tape (1 roll)                                       | ■        |
| 60R159      | Allen Key                                                | ■        |
| 124004      | Shoulder Strap                                           | ■        |
| 124303      | Aluminum Carrying Case                                   | ■        |

### Carrying Case

Pump System E is delivered with an Aluminum Carrying Case.



### Ordering a Pump System

Any P014 Pump System may be ordered with or without a reference indicator. The table below provides an explanation of the Pump System ordering scheme when ordering a system without an indicator. For details on ordering the Pump Systems with an indicator, see the indicator datasheet.

| Reference Indicator         | Pump System                  |
|-----------------------------|------------------------------|
| nVision ..... NV-NONE       | System E (P014-CPF) ... -EOX |
| 30 Series..... IS30-NONE    |                              |
| HPC40 Series ... HPC40-NONE |                              |
| HPC50 Series ... HPC50-NONE |                              |
| XP2i ..... XP2i-NONE        |                              |
| m1..... M1-NONE             |                              |

#### ► SAMPLE PART NUMBERS

NV-NONE-EOX ..... System E pump system (for nVision) for use with oil.  
IS30-NONE-EOX ..... System E pump system (for 30 Series) for use with oil.  
5KPSIXP2i-EOX ..... System E pump system for use with oil, with an XP2i gauge (5000 psi).



# ■ System F

## Pump Overview

**T Series** is a high volume hydraulic comparator capable of producing pressure up to 15 000 psi / 1000 bar. This unit is ideal for testing and calibrating pressure gauges, relief valves, and pressure switches.

### Key Features

- ▶ High and Low Volume Settings.
- ▶ Two outlet ports.
- ▶ Large fluid capacity.
- ▶ Fine Adjustment up to 3500 psi / 240 bar.
- ▶ Compatible with water or oil.

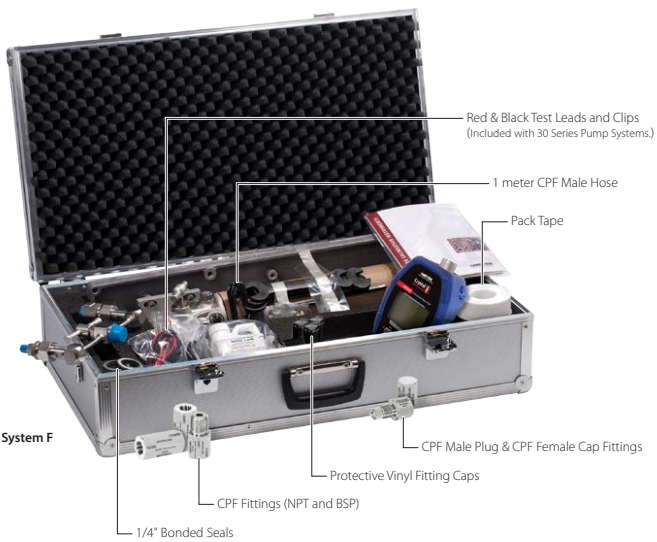
[Learn more here](#) ◀



T-1-CPF hydraulic comparator

## System Overview

| Pump System | Pressure Range             | Test Media    | Media Specifics | Pump    |
|-------------|----------------------------|---------------|-----------------|---------|
| FOV         | 0 to 15 000 psi / 1000 bar | Hydraulic Oil | Rando HDZ32     | T-1-CPF |
| FWV         | 0 to 15 000 psi / 1000 bar | Water         | Distilled Water | T-1-CPF |



Parts Included with Pump System F

| Part Number   | Description                                              | System F    |
|---------------|----------------------------------------------------------|-------------|
|               |                                                          | FOV and FWV |
| 5255          | CPF Male to 15/16-20 Male Adapter                        | ■ (2)       |
| MPF15K-1/4FPT | CPF Female to 1/4" NPT Female Fitting                    | ■           |
| MPF-1/4BSPF   | CPF to 1/4" BSP Female Fitting                           | ■           |
| MPF-1/8MPT    | 1/8" MPT Fitting (for 30 Series Calibrator)              | ■ (2)       |
| 60R120        | 1/4" Bonded Seals                                        | ■ (5)       |
| 1351          | Test Leads; Red & Black, including clips (for 30 Series) | ■           |
| 5249          | Protective Vinyl Cap                                     | ■ (4)       |
| 60I104        | Pack Tape (1 roll)                                       | ■           |
| 124004        | Shoulder Strap                                           | ■           |
| 124304        | Aluminum Carrying Case                                   | ■           |

Carrying Case

Pump System F is delivered with an Aluminum Carrying Case.



Ordering a Pump System

Any Type T Series Pump System may be ordered with or without a reference indicator. The table below provides an explanation of the Pump System ordering scheme when ordering a system without an indicator. For details on ordering the Pump Systems with an indicator, see the indicator datasheet.

| Reference Indicator         | Pump System                 |
|-----------------------------|-----------------------------|
| nVision ..... NV-NONE       | System F (T-1-CPF) ... -FOV |
| 30 Series..... IS30-NONE    | System F (T-1-CPF) ... -FWV |
| HPC40 Series ... HPC40-NONE |                             |
| HPC50 Series ... HPC50-NONE |                             |
| XP2i ..... XP2i-NONE        |                             |
| m1..... M1-NONE             |                             |

► SAMPLE PART NUMBERS

- NV-NONE-F0V ..... System F pump system (for nVision) for use with oil.
- IS30-NONE-FWV ..... System F pump system (for 30 Series) for use with water.
- 15KPSIXP2i-FWV ... System F pump system for use with water, with an XP2i gauge (15 000 psi).



# ■ System G

## Pump Overview

**G**augeCalHP is a self-contained, precision hydraulic pressure comparator intended for the calibration of pressure gauges, transmitters, sensors, and safety valves rated up to 15 000 psi / 1000 bar. You may fill the comparator with your choice of water or oil.

The GaugeCalHP is much faster than deadweight testers and most automated pressure controllers; and it's so quick and easy to use, it's ideal for calibrating those low cost gauges that are often overlooked for ISO9000 compliance.

[Learn more here](#) ◀

## System Overview

| Pump System | Pressure Range             | Test Media    | Media Specifics | Pump       |
|-------------|----------------------------|---------------|-----------------|------------|
| GOX         | 0 to 15 000 psi / 1000 bar | Hydraulic Oil | Rando HDZ32     | GaugeCalHP |
| GWX         | 0 to 15 000 psi / 1000 bar | Water         | Distilled Water | GaugeCalHP |



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## Parts Included with Pump System G

| Part Number   | Description                                              | System G    |
|---------------|----------------------------------------------------------|-------------|
|               |                                                          | GOX and GWX |
| MPF15K-1/4FPT | CPF Female to 1/4" NPT Female Fitting                    | ■           |
| MPF-1/4BSPF * | CPF Female to 1/4" BSP Female Fitting                    | ■           |
| MPF-1/8MPT *  | 1/8" MPT Fitting (for 30 Series Calibrator)              | ■ (2)       |
| MPF-CAP *     | CPF Female Cap Fitting                                   | ■ (2)       |
| 60R120        | 1/4" Bonded Seals                                        | ■ (5)       |
| 5102          | Fine Adjust (installed)                                  | ■           |
| 1351          | Test Leads; Red & Black, including clips (for 30 Series) | ■           |
| 5249          | Protective Vinyl Cap                                     | ■ (4)       |
| 60I104        | Pack Tape (1 roll)                                       | ■           |
| 5101          | Rolling Waterproof Carrying Case                         | ■           |

\* These fittings are rated to 10 000 psi/ 700 bar.

## Carrying Case

Pump System G is delivered with a rolling, Waterproof Carrying Case.



## Ordering a Pump System

Any GaugeCalHP Pump System may be ordered with or without a reference indicator. The table below provides an explanation of the Pump System ordering scheme when ordering a system without an indicator. For details on ordering the Pump Systems with an indicator, see the indicator datasheet.

| Reference Indicator         | Pump System                          | Carrying Case     |
|-----------------------------|--------------------------------------|-------------------|
| nVision ..... NV-NONE       | System G (GaugeCalHP-oil) .....-GOX  | Waterproof ....-W |
| 30 Series..... IS30-NONE    | System G (GaugeCalHP-water) ....-GWX |                   |
| HPC40 Series ... HPC40-NONE |                                      |                   |
| HPC50 Series ... HPC50-NONE |                                      |                   |
| XP2i ..... XP2i-NONE        |                                      |                   |
| m1..... M1-NONE             |                                      |                   |

### ► SAMPLE PART NUMBERS

NV-NONE-GOX-W ..... System G pump system for an nVision, for use with oil, in a waterproof carrying case.

IS30-NONE-GWX-W .... System G pump system for an nVision, for use with water, in a waterproof carrying case..

15KPSIXP2i-GWX-W ... System G pump system for use with water, with an XP2i gauge (15 000 psi), in a waterproof carrying case..

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# ■ System H

## Pumps Overview

**T-900 Series** pneumatic pressure pumps feature an extended range fine adjust for precise control of pressure and vacuum, while a vent valve provides quick and positive shut-off and pressure release. T-600 Series are lightweight, portable hydraulic handpumps, specially designed for high pressure applications.

### Key Features

- ▶ Lightweight, compact design.
- ▶ Two outlet ports.
- ▶ Adjustable stroke.
- ▶ T-900 Series generates up to 580 psi /40 bar *and vacuum*.
- ▶ T-600 Series generates up to 5000 psi /350 bar.

[Learn more here](#) ◀

T-620-CPF hydraulic pump and  
T-975-CPF pneumatic pump



## System Overview

| Pump System | Pressure | Vacuum | Pressure Range                        | Pump       |
|-------------|----------|--------|---------------------------------------|------------|
| HOX         | ■        | ■      | -27 inHg to 580 psi / -0.91 to 40 bar | T-975-CPF  |
|             | ■        |        | 0 to 5000 psi / 350 bar               | T-620H-CPF |



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## Parts Included with Pump Systems H

| Part Number | Description                                              | System H<br>HOX |
|-------------|----------------------------------------------------------|-----------------|
| 5238        | 3/8" BSP Male to CPF Male Fitting                        | ■               |
| 5252        | 5/16-24 SAE Male to CPF Female Fitting                   | ■               |
| MPF-1/4FPT  | CPF Female to 1/4" NPT Female Fitting                    | ■ (2)           |
| MPF-1/4BSPF | CPF Female to 1/4" BSP Female Fitting                    | ■ (2)           |
| MPF-1/8MPT  | 1/8" MPT Fitting (for 30 Series Calibrator)              | ■ (2)           |
| MPM-PLUG    | CPF Male Plug Fitting                                    | ■               |
| MPF-CAP     | CPF Female Cap Fitting                                   | ■               |
| MPH-1       | 1 meter CPF Male Hose                                    | ■ (2)           |
| 60R120      | 1/4" Bonded Seals                                        | ■ (5)           |
| 50-REP700   | O-ring and Lock Clip                                     | ■ (5)           |
| 1351        | Test Leads; Red & Black, including clips (for 30 Series) | ■               |
| 5249        | Protective Vinyl Cap                                     | ■ (4)           |
| 601104      | Pack Tape (1 roll)                                       | ■               |
| 124004      | Shoulder Strap                                           |                 |
| 124110      | Aluminum Carrying Case (for nVision and 30 Series)       |                 |
| 2888        | Waterproof Carrying Case                                 | ■               |

## Carrying Case

Pump System H is delivered with a Waterproof Carrying Case.



## Ordering a Pump System

Any Pump System H may be ordered with or without a reference indicator. The table below provides an explanation of the Pump System ordering scheme when ordering a system without an indicator. For details on ordering the Pump Systems with an indicator, see the indicator datasheet.

| Reference Indicator         | Pump System                                 | Carrying Case    |
|-----------------------------|---------------------------------------------|------------------|
| nVision ..... NV-NONE       | System H (T-975-CPF and T-620H-CPF) ...-HOX | Waterproof ...-W |
| 30 Series..... IS30-NONE    |                                             |                  |
| HPC40 Series ... HPC40-NONE |                                             |                  |
| HPC50 Series ... HPC50-NONE |                                             |                  |
| XP2i ..... XP2i-NONE        |                                             |                  |
| m1..... M1-NONE             |                                             |                  |

### ► SAMPLE PART NUMBERS

NV-NONE-HOX-W ..... System H pump system (for nVision) with a waterproof carrying case.

M1-NONE-HOX-W ..... System H pump system (for m1) with a waterproof carrying case.

5KPSIXP2i-HOX-W .... System H pump system in a waterproof carrying case, with an XP2i gauge (5000 psi).

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