

# Manual Supplement

Manual Title: PPCH-G Operation and Maintenance  
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This supplement contains information necessary to ensure the accuracy of the above manual.



## Change #1, 280, 436

On page 3, change:

From: **Q-RPTs A7M, A10M (1000, and 1500 psi)**

To: **Q-RPTs A7M, A10M and A14M (1000, 1500 and 2000 psi)**

From: **Q-RPTs A14M to A100M (2000 to 15000 psi)**

To: **Q-RPTs A20M to A100M (3000 to 15000 psi)**

On page 4, replace the **1.2.3 PRESSURE CONTROL SPECIFICATIONS WITH:**

### 1.2.3 PRESSURE CONTROL SPECIFICATIONS

<b>Lowest controllable pressure</b> (absolute, gauge modes)	0.7 Mpa (100 psi)
<b>Typical control ready time (dynamic mode)</b>	200 Seconds into 50 cc volume and 20 % FS excursions with default hold limits. (assuming no supply limitation)
<b>Default dynamic control hold limit</b>	±0.01 % of active range, or 0.003 % of Q-RPT maximum span, whichever is greater.
<b>Control precision</b>	to ±0.001 % of Q-RPT span
<b>TEST volume</b>	Standard dynamic control: 0 cc to 100 cc Other control modes: 0 cc to 500 cc

#### **Warning**

**To prevent personal injury, only assemble and operate high-pressure systems if you know the correct safety procedures. High-pressure liquids and gases are hazardous and the energy from them can be released without warning.**

## Change #2, 161, 508

On page 2, add **Safety** and **Electromagnetic Compatibility** sections:

#### **Safety**

Mains.....IEC 61010-1: Overvoltage Category II, Pollution Degree 2  
 Altitude.....≤2000 m  
 Environment.....Indoor use only

#### **Electromagnetic Compatibility**

International.....IEC 61326-1: Basic Electromagnetic Environment; IEC 61326-2-1

CISPR 11: Group 1, Class A

*Group 1: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the internal function of the equipment itself.*

*Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances.*

*Caution: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.*

*Emissions that exceed the levels required by CISPR 11 can occur when the equipment is connected to a test object.*

*The equipment may not meet the immunity requirements of this standard when test leads and/or test probes are connected.*

Korea (KCC).....Class A Equipment (Industrial Broadcasting & Communication Equipment)

*Class A: Equipment meets requirements for industrial electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and not to be used in homes.*

USA (FCC).....47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103.

On page 1, add:

**⚠⚠ Warning**

**To prevent possible electrical shock, fire, or personal injury:**

- **Read all safety information before you use the Product.**
- **Carefully read all instructions.**
- **Do not use the Product around explosive gas, vapor, or in damp or wet environments.**
- **Use this Product indoors only.**
- **Use only the mains power cord and connector approved for the voltage and plug configuration in your country and rated for the Product.**
- **Replace the mains power cord if the insulation is damaged or if the insulation shows signs of wear.**
- **Do not use and disable the Product if it is damaged.**
- **Make sure the ground conductor in the mains power cord is connected to a protective earth ground. Disruption of the protective earth could put voltage on the chassis that could cause death.**
- **Use the Product only as specified, or the protection supplied by the Product can be compromised.**

On page 17, add:

**⚠⚠ Warning**

**To prevent possible electrical shock, fire, or personal injury:**

- **Only assemble and operate high-pressure systems if you know the correct safety procedures. High-pressure liquids and gases are hazardous and the energy from them can be released without warning.**
- **Do not put the Product where access to the mains power cord is blocked.**

On page 123, add:

**⚠⚠ Warning**

**To prevent possible electrical shock, fire, or personal injury:**

- **Do not operate the Product with covers removed or the case open. Hazardous voltage exposure is possible.**

- **Disconnect the mains power cord before you remove the Product covers.**
- **Remove the input signals before you clean the Product.**
- **Use only specified replacement parts.**
- **Have an approved technician repair the Product.**