

Type P340 Latch and Remote Release Mechanism

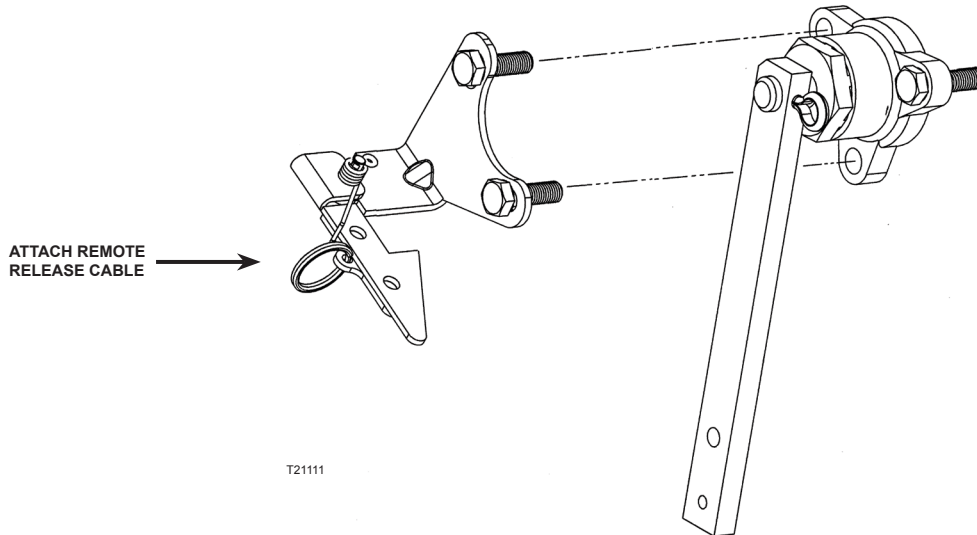


Figure 1. Type P340 Installed on C401, C402, C407, C421, and C427



WARNING

Fisher equipment must be installed, operated, and maintained in accordance with federal, state, and local codes, and Fisher instructions. The installation in most states must also comply with NFPA No. 58, ANSI K61.1, and DOT standards.

Only personnel trained in the proper procedures, codes, standards, and regulations of the LP-gas or NH₃ industries should install and service this equipment. Failure to follow these instructions or to properly install and maintain this equipment could result in an explosion and/or fire causing property damage and personal injury or death.

Introduction

Type P340 latch and remote release mechanism permits 2-inch and 3-inch size C401, C402, C407, C421, and C427 internal valves to be closed from a remote location. When the valve's operating lever is

manually opened, the lever is automatically latched in that position. The lever can be released from a remote location by pulling on a cable attached to the pull ring, thus closing the valve. Thermal protection is provided by a built-in fusible element.

Installation



WARNING

Downstream pressure must be released before removing the two screws (key 7) holding the bonnet to the internal valve body. Failure to do so before attempting to install the P340 could result in personal injury.

Remove two of the cap screws from the valve and attach the P340 as shown in Figure 1. Be certain the P340 is adjusted so that the valve operating lever can move to within 5° of the fully open position when latched. Failure to get sufficient lever travel can result in premature excess flow check closure.

A cable must be run from the pull ring (key 6) on the P340 to a remote location. The cable has to be taut

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enough for proper operation, and the hook-up may require sufficient pulleys to keep the cable away from the side of the tank. Pulling the cable allows the valve's operating lever to return to the closed position.

When closing the valve manually, pull back on the cable attached to the release mechanism to permit the lever to close.



WARNING

Since there is strong spring force on the operating lever, avoid getting in the way of the lever as it moves to the closed position. Failure to do so could result in personal injury.

Maintenance

A simple preventive maintenance program for the valve and its controls will eliminate a lot of potential problems.

Fisher recommends these steps be conducted once a month:

1. Regularly inspect the operating lever to see that it operates freely and that there is no leakage around the stub shaft. If there is leakage or sticking, the packing should be replaced.
2. Check for tight closure of the seat discs regularly. Any leakage indicates a defect in the seat caused from wear or from dirt or scale lodging and embedding in the seat. To check for leakage, close the internal valve, and exhaust downstream pressure. Close the first valve downstream from the internal valve, and note any pressure build-up by means of a pressure gauge. If leakage is indicated, the seat discs should be replaced.

LP-Gas Equipment

**Emerson Process Management
Regulator Technologies, Inc.**

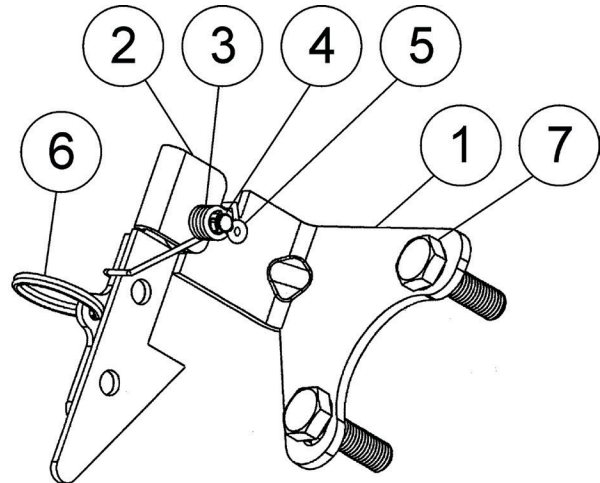
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Figure 2. Type P340

3. All operating controls should be regularly inspected, cleaned, and lubricated.
4. Check to see that the Type P340 fully opens the internal valve and operates freely to close the valve.

Parts Ordering

When corresponding about this equipment, always reference the equipment type number found on the nameplate. A Replacement Parts List is available for the valve. When ordering replacement parts, reference the complete 11-character part number of each part.

Parts List

Key	Description
1	Bracket
2	Fusible Link
3	Spring
4	Pin
5	Cotter Pin
6	Pull Ring
7	Screw (2 required)