



Cable Controls

Fisher™ cable controls and accessories can be furnished to remotely open and close all internal valves except the 4 in. / DN 100 flanged size. This equipment can be used to comply with NFPA 58 and DOT requirements for MC331 cargo tanks.

Cable systems can also be used on stationary storage tanks at bulk plants and on in-line applications to increase safety during transfer operations. All fusible elements and links used in the cable control systems comply with NFPA 58 and MC331 requirements.

Type P650 or P651 Primary Cable Control – Capable of actuating all Fisher internal valves except the 4 in. / DN 100 Type C404-32, the Type P650 or P651 opens and closes the valve from a remote point, usually the rear of the bobtail or transport. Pulling the handle of the primary control opens the internal valve; pushing the handle closes the valve. There are three notches on the primary control that give a travel of 4, 5 or 6 in. / 102, 127 or 152 mm depending upon the travel required by the valve’s operating lever.

Included with each Type P650 primary control is a 20-foot / 6.1 m cable, Type P134 fusible links, a return spring and mounting hardware. If just the primary cable control is needed, order Type P651, which is available without any of the other accessories.

Type P163A or P164A Auxiliary Remote Release – These units allow the internal valve to be closed from a location other than the primary control point (Type P650 or P651). Pulling the auxiliary release handle trips the release mechanism on the primary control to close the internal valve.

The two assemblies are identical except for the length. Type P163A has an untrimmed length of 25 feet / 7.6 m and Type P164A has an untrimmed length of 50 feet / 15.2 m. Both cables can be trimmed to any length. Both releases can be installed through mounting brackets up to 3/8 in. / 9.5 mm thick.

Type P164B – a release assembly that uses 50 feet / 15 m of cable housing which does not require elaborate guiding like uncovered cables.

Type P164C – an Auxiliary Remote Release without cable is also available.

Latch/Remote Release Mechanisms

With the exception of the 3 in. / DN 80 flanged sizes, all Fisher internal valves can be fitted with a manual latch/remote release mechanism. When the internal valve’s operating lever is manually moved to the open position, the lever can be latched in the open position. The lever can be released from a remote location by pulling on the cable attached to a pull ring, thus closing the internal valve. A built-in fusible element in the latch/release melts if exposed to fire allowing the operating lever to return to the closed position.

Type P340 – Fits all 2 and 3 in. NPT internal valves (Types C471 and C477). Type P340 is easily installed in the field by removing two of the three gland cap screws.

Type P341 – Fits 1-1/4 in. NPT C407 Series internal valves. Also available factory installed, Type C407M10.

Type P342 – Bi-directional latch/remote release for the 1-1/4 in. NPT C407-10 Series allows operation from two directions.

Type P313 – Fits 4 in. / DN 100 Type C404-32 internal valves. Also available factory installed, Type C404M32. The Type P315 remote release should be used with this release.

Type P314 – This cable assembly is used as an attachment from the Type C404-32 operating lever to the primary cable control. The assembly includes a 40-foot / 12.2 m cable, a special bushing with a fusible element and clamp. The bushing fits in the valve-operating lever and has a built-in fusible element that will melt if exposed to fire, allowing the Type C404-32 to close. The cable connects to the bushing and the clamp permits the other end of the cable to be attached to the fusible link (not furnished) at the primary cable control.

Type P315 – On manually actuated 4 in. / DN 100 valves (Type C404M32), Type P315 remote handle release can be used to close the internal valve from a remote location. Cable linkage (30 feet / 9.1 m) and mounting hardware are included.

Internal Valve Accessories

INTERNAL VALVE SIZE, IN. / DN	PRIMARY CABLE CONTROL	AUXILIARY REMOTE RELEASE	CABLE ASSEMBLY	LATCH/RELEASE MECHANISM
1-1/4, 2 and 3 / 32, 50 and 80 (NPT or Flanged)	Type P650 or P651 ⁽¹⁾	Type P163A or P164A	Included with Type P650	Type P341, P342 (C407-10 Series) or Type P340 (C400 Series)
4 / 100 Flanged	Use Allegheny or Wheaton Control	Type P315	Type P314	Type P313 ⁽²⁾

1. Type P651 is a primary control only, no accessories.
2. Use with Type P315 remote release mechanism.