HYDRA-TAP

# THE BEST TOOL IN THE FIRE SPRINKLER INDUSTRY.

Flipping an FDC check-valve in order to conduct a Forward Flow or FDC Backflush is the worst part of any field technician's day. It also impairs the FDC. With The Hydra-Tap™ holding the clapper open and allowing for reverse flow, they'll never have to do it again. Get a 2 hour job done in as little as 20 minutes. Use The Hydra-Tap.™

**RATED AT 1,000 GPM AND 250 PSI FOR TWO HOURS WITH INTEGRAL O-RING COMPRESSION NUTS FOR FDC HYDROSTATIC TESTING.**


***THE COMPLETE HYDRA-TAP™ KIT***

**MSRP: $699**

***NIPPLE SCHEDULE***

**MSRP: $50**

***TAP CYLINDER***

**MSRP: $250**

***SET RODS***

**MSRP: $325**

***SET BOLTS AND COMPRESSION NUTS***

**MSRP: $30**


***HYDRA-TAP™ CASE***

**MSRP: $125**

***BALL VALVE***

**MSRP: $15**

MADE IN USA

**(503) 482-8999 | WWW.HYDRA-TAP.COM | CUSTOMERSERVICE@HYDRA-TAP.COM**



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# USER GUIDE

**Step 1.** Isolate and drain the pipe tributary to the FDC check-valve.

**Step 2.** Remove the ball-drip and insert the Set Rod. There are three in your kit, so use the one that is applicable to the check-valve you're working on. Each one is unique and numbered with a punch on one end to correlate with the list below. Set Rods can be applied to other check valves in addition to the ones listed below.

### SET ROD/CHECK-VALVE APPLICATION

**Set Rod #1:** Viking 4" D-1/G-1 Flanged & Grooved, Reliable 6" Model G Grooved, Kennedy 6" Figure 726 Grooved, Tyco 6" CV-F1 Grooved, Nibco 6" G-997 Grooved, Argco 6" ARG-CH-G300 Grooved, Nibco 4" F-908-W Flanged, Kennedy 4" Figure 1126 Flanged, Lansdale 6" LVCVGG Grooved, Victaulic 6" 716/717/779 Grooved, Grinnell 4" A-2 Flanged

**Set Rod #2:** United Brass 4" Model 90 Wafer, Lansdale 4" LVWCV Wafer, Central 4" Model B Wafer

**Set Rod #3:** Victaulic 4" 716/717/779 Grooved, Kennedy 4" Figure 726 Grooved, Tyco 4" CV-F1 Grooved, Nibco 4" G-997 Grooved, Argco 4" ARG-CH-G300 Grooved, Lansdale 4" LVCVGG Grooved, Lansdale 4" LVBCV Grooved & Threaded, BH 4" BH-22A/BH-22B/BH-22C, United Brass 4" Model 67 Grooved, United Brass 4" Model 68 Threaded

**TIP:** Hold the Set Rod to the side of the check-valve and mark in sharpie where it will be when the clapper is fully open. After inserting, verify that the sharpie mark is where you projected it would be. This will aid in confirming that the clapper is fully open.

**TIP:** Applying a small amount of food-grade lubricant to the end of the Set Rod will help it glide across the face of the clapper and aid in ease of positioning. Also rotating the Set Rod slightly left and right with a crescent wrench while gently tapping the bottom with a mallet will help ensure that the clapper is fully open. In some cases an "in and out" motion with the Set Rod while simultaneously rotating it left and right will aid in proper positioning.

**Step 3.** Chase the correct Set Rod with the shortest 1/2" nipple possible and the Tap Cylinder. From the Tap Cylinder, tighten to 30 lb./ft. torque. Be sure to align the Set Bolts on the Tap Cylinder so that they are perpendicular to the direction of flow prior to tightening them against the flat rails of the Set Rod.

**Step 4.** Using a crescent wrench on the flat rails of the Set Rod, gently adjust it's position until the flat rails are in parallel with the direction of flow. Then push the Set Rod up until it won't go further. Make sure that the clapper is fully open.

**Step 5.** Fully tighten the compression nuts with integral o-rings against the sides of the Tap Cylinder for a water tight seal rated at 250 PSI, then you're ready to flow!

TIP: Utilize 2.5" gate-valves on each FDC outlet to control the flow of water. That way if the building does catch fire you can quickly close the gate-valve(s) you're flowing out of, thereby insuring that all available water is directed to the sprinkler system. This setup will also allow responding firefighters to safely connect to the FDC via the closed gate-valve(s), at which point they can open them and begin pump ops and fire attack.

**Step 6 (Optional).** Thread another 1/2" nipple and ball valve onto the end of the Tap Cylinder for a completely water tight configuration. Post flow, connect your preferred hydrostatic pump to the ball valve for FDC pressure testing. When complete, disconnect and drain excess water in a controlled manner.

**Step 7.** Remove all Hydra-Tap components and put the system back in service.

**NOTE:** Designed for 4" and 6" flanged, grooved and wafer swing checks. Use teflon tape on all connections for a water-tight seal. Do not force the Set Rods into position. Do not use an incompatible Set Rod on check-valves. Set Rods are suitable for use with other check-valves which are not listed.

**NOTE:** Set Rods expire after 12 months of service and shall be replaced by the end user.

**Additional information, including an instructional video, can be found on our website at www.hydra-tap.com**