



Rising or Non-Rising?

Is it better to choose a rising stem over a non-rising stem for your mud valve? The answer isn't always black and white. Ultimately, the decision depends upon your application and the importance of three key factors: indication, space and actuation. Fortunately, when you know your mud valve application, it's easy to determine which stem is right for you.

Indication

The main difference between rising and non-rising stems lies in the name itself: rising and non-rising. A rising valve will have a stem that lifts out of the mud valve's body, which, when used in conjunction with a floor stand, provides a visual, gross indication of the valve's position in lieu of an indicator. A non-rising stem, however, does not provide visual indication of valve movement.

Non-rising stems can provide a more precise indication when used with a floor stand. A graduated scale with open/close tags is attached to most floor stands to give a closer indication of the valve's position. Your decision of which stem is right for your application depends on whether you need a visual, rough indication or more precise, numeric indication.

Space

Another key factor to consider in your valve stem decision is space. If your floor stand is in a tight space and the application does not allow room for axial movement of the stem, non-rising is the best choice. Non-rising stems have no moving components that change the overall size of the valve, therefore they don't require extra space.

Rising stems, however, require more space to move axially because of the physical lifting of the stem when the mud valve is opened. Everything between the valve and operator must rise and fall. Also, because all of the components above the stem rest their weight on the valve, the load can cause more wear on the valve stem.



Rising Valve

Actuation

The last thing to consider in deciding whether you need a rising or non-rising stem is how you'd like to actuate your mud valve. If you are planning on using a bevel gear, electric actuator, or a U-joint, you will be limited to using a non-rising stem. Rising stems do not allow for these actuation options because of their moving components. Most mud valve applications do not require frequent opening and closing of the valve, and so manual actuation of a rising stem may be a cost-effective choice.

Troy-Valve has the Answers

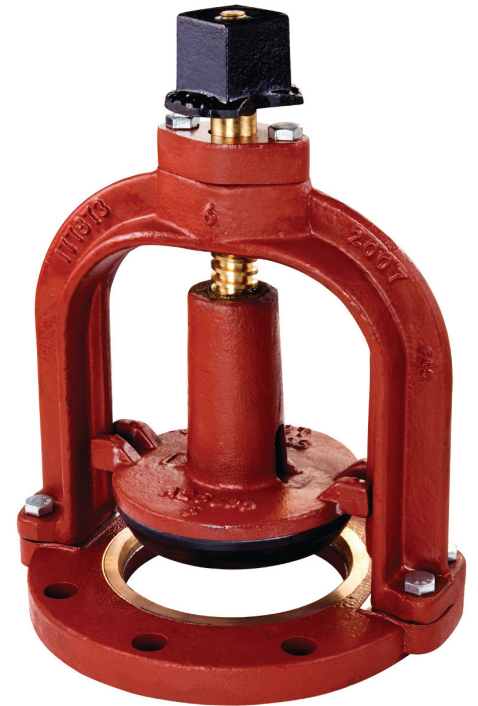
Whether you need a rising or non-rising stem, Troy-Valve has the knowledge and experience to help you make this decision based on your mud valve's indication needs, space limitations, and desired actuation:

Non-Rising Stems

- Have options for providing precise, numeric indication of the valve position
- Require no axial movement
- Can be used with bevel gears, actuators, and U-joints

Rising Stems

- Provide gross, visual indication of the valve position
- Require axial movement
- Require manual actuation accessories



Non-rising Valve

No matter which stem you choose, Troy-Valve can supply you with the full line of mud valve accessories for both options, from floor stands and operators to gasket upgrades and more. We'll provide you with all the components and options you'll need, as well as provide expert assistance every step of the way. You can depend on us to manufacture solutions that will stand the tests of time.

We manufacture trust.