When Should You Consider Flo-Tite's Three-Piece Valves

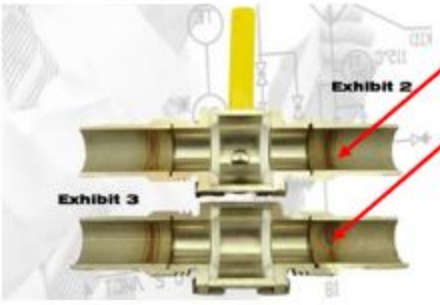
Multi-Choice with Extended End by NPT

Simply stated, "High-demand applications which will require routine maintenance."

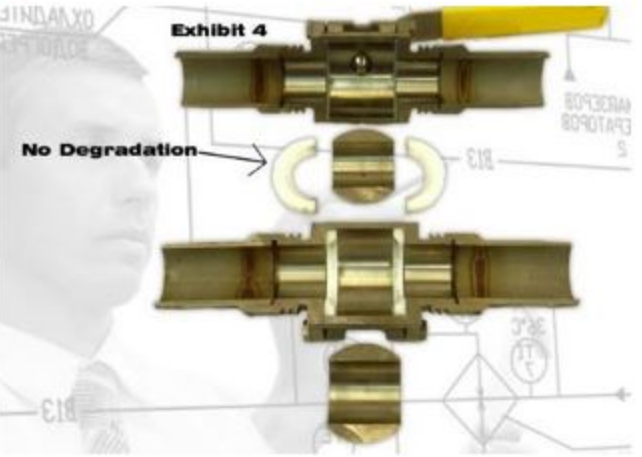
If your application or processes place a heavy demand on your valves or your valves experience extreme pressure, you will need to maintain these valves and their parts regularly to ensure optimal performance.

In high demand services, you can count on having to replace worn out soft parts regularly. Flo-Tite's 3-piece valves ease the repairability and maintenance for our end users by offering:

- Time Saving Installation
- Reduced labor Costs
- Reduced liability
- Free pipe
- Avoid damage to the soft parts
- Safer Installation



Where heat from welding was stopped by the rings to protect soft parts.



Time after time, this Weld-In-Place Valve

Saves Time and Money.

CASE: Precision Piping was giving several valves so they could report their unbiased opinion about these valves.

Needless to say, after welding these valves in place, noting The time and money savings, they immediately became a Customer and purchased several of these valves from Flo-Tite.

PROBLEM: Welding 2" or smaller valves on a normal sized pipeline would usually involve at least two welders at a minimum of $65 an hour, a cost of $130 per hour. It typically takes one hour to take apart and weld a typical valve by an experienced welder. Then if the heat from the welding damages the valves seats, now you must add the cost of the valves plus the extra time for the welders to disassemble and reweld the valves again. Also, you must consider if the valves are disassembled and not reassembled correctly or welded into the pipeline correctly, you will have even more welding time and a larger problem at hand.

TEST: Rodney Norton of Precision Piping welded several of the Multi-Choice Weld-In-Place valves into piping.

Flo-Tite Solution: After welding Flo-Tite's Multi-Choice Weld-In-Place valves, Mr. Norton discovered the following:

- **Our valve design took 65% -70% less time because the valves did not have to be disassembled to weld them**.
- ***COST SAVINGS IN WELDING TIME IS APPROXIMATELY $91 PER VALVE***
- **With the extended ends of a weld-in-place valve, this valve will save about 3" of piping per valve.**

Flo-Tite'S Weld-In-Place Multi-Choice Series saves end users time and money. Cost savings on a typical installation have been estimated to be between $150 to $175 per automated valve assembly. This series has a unique design with extended ends which have heat dissipating rings. These rings protect the soft parts of the valve by transferring the heat from the welding process away from the valve's soft parts. This design allows our 3-piece soft-seated valves to be welded into any process control piping system without being disassembled, even if the valve is automated. This saves a considerable amount of time.

Welders are big fans of Flo-Tite's Weld-In-Place Multi-Choice design considering the time they save. In addition, this valve provides extended piping for any installation. This extended end design will reduce overall piping cost.

The ease of replacing these parts, such as stem packing, seats, or seals, in Flo-Tite's three-piece valve are very attractive to maintenance crews because it allows them to easily disassemble, service, and reassemble the valve without having to cut the pipe in which the valve is connected to.

From the manufacturing point of view, *Three-Piece Valves allow Flo-Tite to customize our valves depending on the project or the application.* We can easily change the seats of a three-piece valve to accommodate for certain flows, pressures, or temperatures.

Flo-Tite's Three-Piece valves maybe more expensive upfront, but there is significant cost savings to consider. they are the valve of choice as far as ease of maintenance, performance, and reliability.

These valuable design features are available in *both Flo-Tite's Multi-Choice Series and Tri-Pro Series.* The Tri-Pro Series is so reliable, these valves have even been to space on several rocket ships!