

EnviZion the valve of tomorrow

The new Pure-Flo® EnviZion hygienic diaphragm valve from ITT Engineered Valves—saving biopharm manufacturers time and money that can be reinvested elsewhere. Meet the processing valve of tomorrow, today.



Typical diaphragm valves

VS

EnviZion valves



RISK OF CONTAMINATION

YES



SUSCEPTIBLE TO LEAKAGE



REQUIRES TORQUING AND WRENCH ACCESS

4 BOLT SYSTEM

QUICK CHANGE BONNET



NO TOOLS REQUIRED



MAINTAINS SEAL: NO LEAKAGE

NO

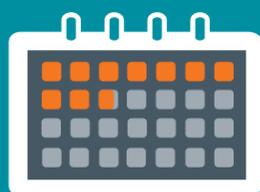
SEAL INTEGRITY DEGRADATION DURING THERMAL CYCLING



NO RISK OF CONTAMINATION

INSTALLATION OR DIAPHRAGM REPLACEMENT TIME

PER FACILITY



233 HOURS

PER VALVE



23 MINUTES

PER VALVE



3 MINUTES

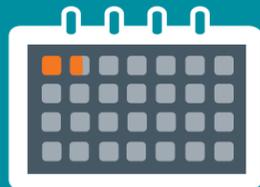
PER FACILITY



25 HOURS

RETORQUE TIME

PER FACILITY



41 HOURS

PER VALVE



5 MINUTES

PER VALVE



0 MINUTES

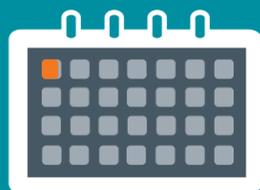
PER FACILITY



0 HOURS

PRE-OPERATION AND POST-MAINTENANCE THERMAL CYCLE TIME

PER FACILITY



20 HOURS

PER SYSTEM



4 HOURS

PER SYSTEM



0 MINUTES

PER FACILITY



0 HOURS

DIAPHRAGM REPLACEMENTS PER YEAR

PER FACILITY

1,000



PER VALVE



PER VALVE



PER FACILITY



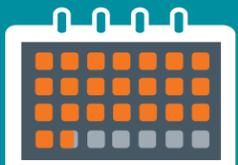
500

TOTAL ANNUAL MAINTENANCE 🛠️ = \$4,000

\$82,000



547 HOURS



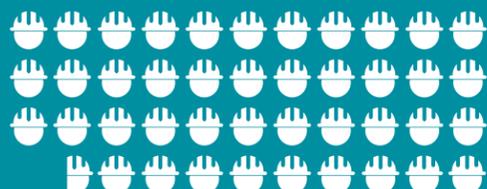
25 HOURS



\$3,750

10-YEAR TOTAL COST OF OWNERSHIP (TCO) 🛠️ = \$20,000

\$855,000



\$41,250

ASSUMES A TYPICAL, 500-VALVE BIOPHARM MANUFACTURING FACILITY WITH 5 SYSTEMS, LABOR COST OF \$150/HOUR, THERMAL CYCLING TIME OF 4 HOURS/CYCLE, AND RETORQUING TIME OF 5 MINUTES/VALVE.



ITT

Engineered Valves