

StraightFlo™ SE

COMPRESSOR VALVES

The StraightFlo™ SE (Standard Edition) valve is a drop-in replacement designed to deliver exceptional performance and unmatched value for reciprocating compressors in upstream and midstream oil & gas applications, as well as air, nitrogen, and hydrogen industrial gas services.

RIGHT DESIGN, RIGHT MATERIAL

The StraightFlo™ SE (standard edition) valve features the same proven Modular Reed valve technology in our renowned StraightFlo™ SS (severe service) valve, but with a more economical 4140 steel alloy carrier and seat. You save up-front with a lower installed cost—and down the line with ongoing savings from extended run times, lower fuel costs, increased throughput, and reduced inventory costs.

StraightFlo™ SE valves are for compressor speeds from 200 to 3,600+ rpm, pressure differentials up to 4,350 psi (300 bar), service temperatures from -40° to 500°F (-40° to 260°C), and non-corrosive or mildly corrosive gases including sweet and sour natural gas, air, NGL, and industrial gases.



GAME CHANGING PERFORMANCE



RELIABILITY
5X–35X longer service interval (2X guaranteed)



SERVICEABILITY
15 minutes, on-site, with no machining



PERFORMANCE
2–15% lower compressor power or greater throughput



INVENTORY SAVINGS
Up to 80% lower inventory costs



ESG
Reduced emissions, fuel efficiency, 10X Lower vibration/noise levels

REED VALVE MODULES

The StraightFlo™ valve design features interchangeable modules held stationary between the valve seat and carrier. Module components don't move or impact the metal housings. Not only is wear-and-tear completely contained inside the modules, but vibration is reduced to 1/10th the vibration levels of conventional valves.

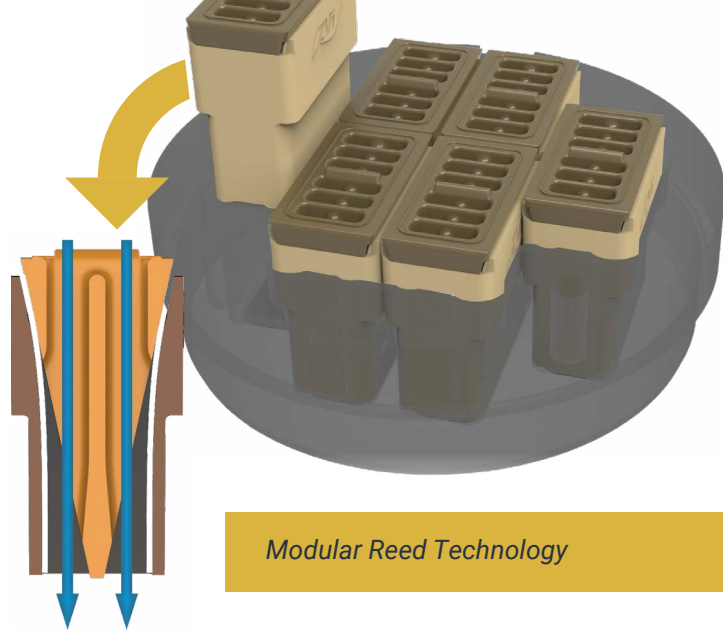
Best of all, you can service valves in minutes by replacing worn modules—with no spares and no machining required.

There are 8 to 10 module types that will cover all of your compressors, regardless of the brands or sizes. Fewer module types simplifies valve maintenance and helps reduce your costs by rationalizing your inventory.

STRAIGHT FLOW PATH

Each module is an enhanced reed valve with a straight-through flow path. Since gas doesn't have to traverse a tortuous path, StraightFlo™ valves have the lowest losses (highest efficiency) for a given diameter.

A straight flow path makes these valves self-cleaning and highly tolerant of liquids and solids.



UNEQUALLED VALUE PROPOSITION

- 10-year warranty on housings
- Limited warranty on complete valves
 - 3 years on high-speed gas processing and transmission applications
 - 5 years on slow-speed transmission applications
- Guarantee 2X the runtime of previous valves for the same conditions
- Refurbished on-site, in minutes, without machining
- Up to 80% reduction in inventory costs

THE WORLD'S MOST SUSTAINABLE VALVE

StraightFlo™ valves provide a wide range of benefits to support your net-zero initiatives.

EXTENDED SERVICE

eliminates multiple emission events (blowdown, purge, flare)

REDUCED SERVICE CALL-OUTS

eliminates carbon footprint in repair and replacement of valves

INCREASED EFFICIENCY

reduces power consumption and engine emissions

REVOLUTIONARY SPRINGLESS DESIGN

reduces noise and vibration