



Config2 and ESD+

Integrated Well Control Solutions

The Config2 and the ESD+ were developed to provide optimization of well protection requirements in the Energy industry—bundling optimizes overall system compatibility and efficiency*

Substantial savings on sourcing, procurement and installation related costs:

- SAVE on field assembly/installation
- Requires only a single crew for installation
- SAVE on field testing (assembly pre-tested)
- Easier to handle on site
- No special skills/trades for installation
- No special skills/trades for commissioning
- Lower transport cost due to compact footprint

Apply the best-in-class technologies:

- Field proven choke valve design
- Field proven ESDV actuators and controls
 - Pneumatic or hydraulic powered

A customized, integrated, single-sourced Engineered solution to save you time and money!

The Config2 and ESD+ assemblies provide compliance to the latest industry standards

- API 6A Latest Edition
- Sizes 1 $\frac{3}{4}$ " to 11"
- Pressure to API 15,000
- Temperature Classifications:
 - K" -75° F" to Y"650° F"
 - K" -60° C" to Y"345° C"
- Material Classifications AA thru HH
- Performance Requirements 1 and 2 Annex F
- Product Specification Levels 1, 2, 3, 3G, and 4
- Custom Engineered Access Tees available with non-API 6A end connections

**When compared to current independent multi-contractor system integration that leads to inefficient installation, commissioning, and operation.*



Config2 (hydraulic ssv and manual choke, hi/lo pilot, access tee)



ESD+ (pneumatic esdv and choke, hi/low pilot, access tee)

"Getting an assembled ESDV and choke package is making everyone's life easier..."

Integrated Well Control Solutions

Packaged Design Benefits

Combining Stream-Flo API 6A reverse-acting Fail-Safe actuated gate valve with Master Flo Choke valve provides:

- Compact footprint and piping arrangement
- Factory assembled and tested as a package
- Optimized flow capacity
- Tailored pre-installed controls
- Optimized material selection
- Proprietary 5CB Tungsten choke valve trim
- Lower installation costs
- Single source procurement
- Locally mounted hi/low pilot with over-sized sensing port and Isolation-Test Valve
- Superior designs offer enhanced performance and reliability = lower cycle-life cost
- Access to OEM engineering expertise and field experience
- Global network of satellite locations for aftermarket service
- Ability to customize the flow control solution to meet critical application requirements

Config2 and ESD+ Accessories

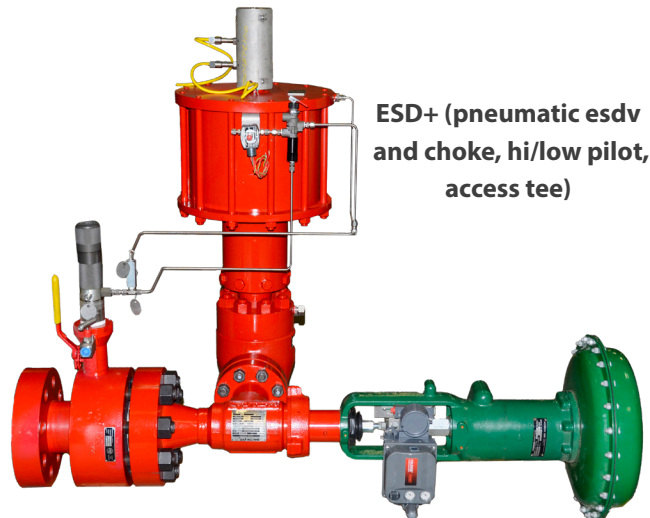
- Crown Access Tee
- Crown hi/low Pilot Isolation Valve (threaded or flanged)
- Lock Open Device (fusible and non-fusible)
- Solenoid Valve
- Position Limit switches
- Electrical Termination Enclosure
- Position Transmitter
- Crown Electro-Hydraulic Pump Control Unit for remote valve open/close
- Indicator Rod Protector
- Custom engineered spool piece
- Theft/tamper proof control enclosure
- Rotary Gear Pump (RGP)
- Custom packaged actuation control system
- Dedicated SmartVue™ micro-controller (RTU) for data acquisition and analytics, automatic control and alarming



Config2 (hydraulic ssv and choke, hi/low pilot, access tee)



Config2 (hydraulic ssv and electric choke, hi/low pilot, access tee)



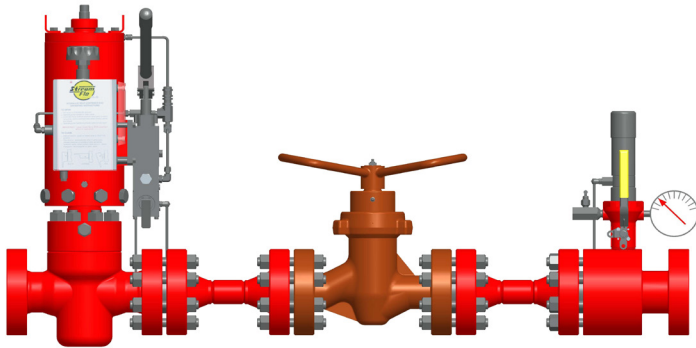
ESD+ (pneumatic esdv and choke, hi/low pilot, access tee)



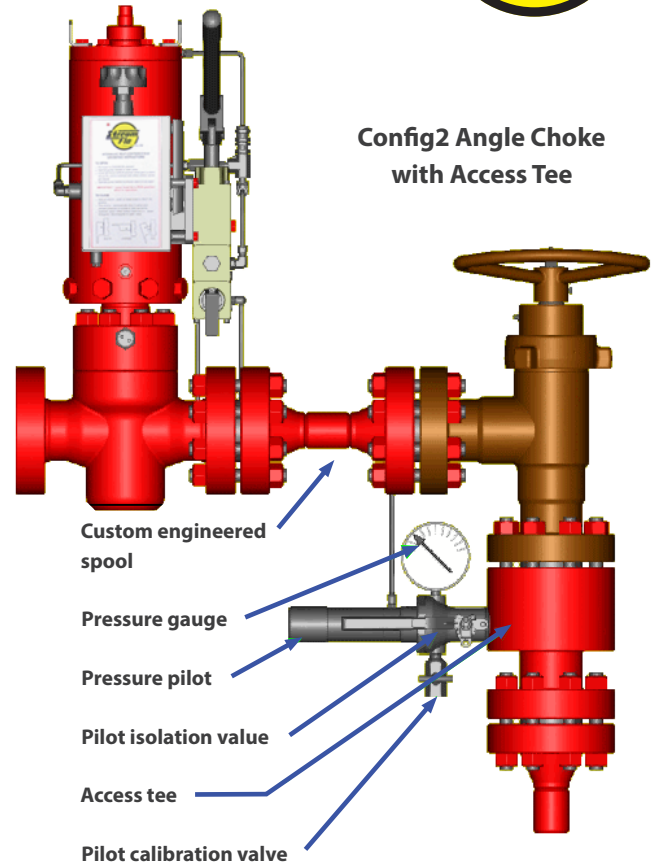
Integrated Well Control Solutions

ESDV and Choke combinations

The custom engineered spool pieces can be of any length or configuration



Config2 In-Line Choke with Access Tee



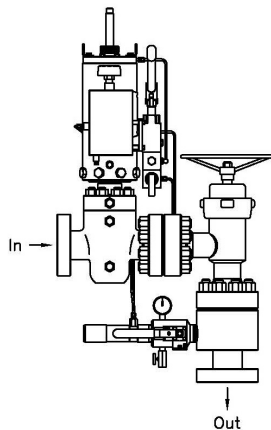
Config2 Angle Choke with Access Tee

The Config2 and ESD+ Surface Safety Systems

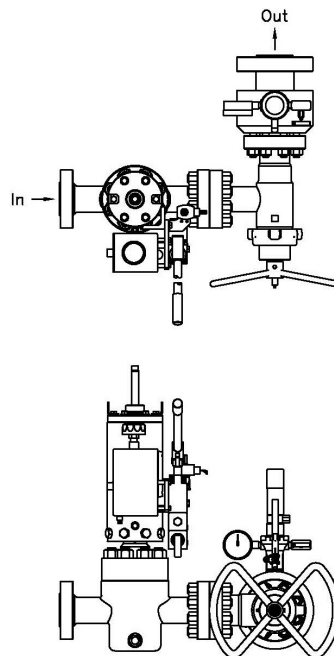
- Available in custom configurations to best suit the application

Angle Body Choke Valve:

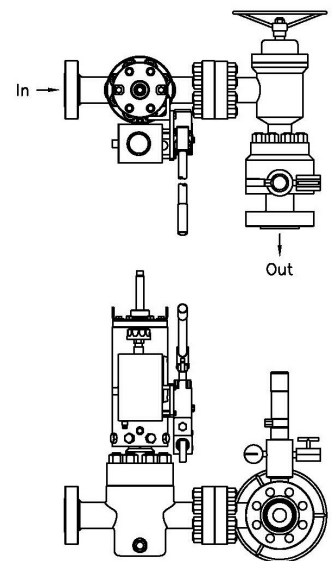
- Horizontal wing, vertical flowline
 - Outlet down
- Horizontal wing, horizontal flowline
 - Outlet to the back
 - Outlet to the front



(A) Choke Outlet to Bottom



(B) Choke Outlet to Back



(C) Choke Outlet to Front



Typical Field Installations



Head Office and Manufacturing

4505 74 Avenue
Edmonton, Alberta, Canada T6B 2H5
t. 780.468.6789 | f. 780.469.7724



Sales and Marketing Office

700, 250 – 6 Ave SW
Calgary, Alberta, Canada T2P 3H7
t. 403.269.5531 | f. 403.266.3307



Stream-Flo USA Head Office

8726 Fallbrook Drive
Houston, Texas, USA 77064
t. 832.912.1022 | f. 281.653.1188

streamflo.com | info@streamflo.com

