



Anderson Greenwood
Series 60

- The type 63B is a small sturdy safety valve with soft seat as standard for low and medium pressure gas and liquid thermal relief applications.
- Brass construction.



Anderson Greenwood
Series 81 & 83

- The types 81 and 83 soft seated safety valves provides repeatable leak-free performances with low cost maintenance. With instantaneous pop opening and externally adjustable blowdown.
- Soft seat as standard:
- Type 81: plastic seat.
- Type 83: O-ring seat.



Anderson Greenwood
Series 81P

- The type 81P is specifically designed for liquid applications.
- Naturally balanced against backpressure, its stabilising ring prevents destructive chattering, common on liquid applications.
- Soft seat as standard (PTFE, PCTFE).



Crosby
Styles JOS-E & JBS-E

- Conventional and balanced bellows spring loaded pressure relief valves built in accordance with API Standards 526 and 527 for gases and steam.
- Styles JLT JOS-E and JLT JBS-E for liquid service and two phase applications.
- API Std 526, flanged connections.
- Single nozzle ring.
- Metal and soft seats available.
- Multiple options, configurations and accessories.

Pressure Relief Valves



CROSBY
ANDERSON GREENWOOD

Sources:



*Emerson Product Brochure:
Pressure Relief Valves Product Overview*



Crosby
Styles 900 OMNI-Trim®

- Single trim design, fixed blowdown for medium flow of gas, steam or liquid applications.
- Metal or soft seat.
- Gasket-less design.



Crosby
Styles BP OMNI-Trim®

- Balanced piston, single trim design for gas, liquid and mixed-phase applications involving variable back pressure.
- With O-ring seat as standard.
- Balanced piston design for high backpressure applications.



Sempell
Type Mini S

- Single trim design, fixed blowdown for small flow of gas, steam, liquid and mixed phase applications.
- Metal or soft seat.
- Balanced bellows available.



Sempell
Type S

- Conventional and balanced bellows spring loaded pressure relief valves built in accordance to AD-2000 (S-DIN) or API Std 526 (S-API) for gases, steam, liquid and mixed-phase applications.
- Flanged connections ANSI, or DIN.
- With or without single nozzle ring.
- Metal and soft seats available.
- Multiple options, configurations and accessories.



Sempell
Type MAXI S

- High flow safety relief valves for gas, steam, liquid and mixed-phase applications.
- Allows the reduction in number of safety valves to protect low to medium pressure equipment.
- Metal or soft seat.
- Extra-large capacities within a very compact low -profile valve.
- Balanced bellows available.



Sempell
Type VSEO

- Conventional relief valve for low flow and high pressure applications. Single trim design for gas, steam, liquid and mixed-phase applications.
- 304 stainless steel construction.
- Metal or soft seat.



Anderson Greenwood Series 200

- The pop action 200 is still the standard of reference for pilot operated safety valves.
- With soft seat and a non-flowing pilot, it is perfectly suited for gas and some mixed phase applications, including cryogenic services.
- It is also suitable for services with dirt, hydrates or high levels of moisture.
- Soft seat, elastomer or plastic.
- API Std 526 fully compliant or with full bore orifices.
- Field test connection and complete scope of accessories and configurations.



Anderson Greenwood Series 400

- A non-flowing, fully modulating valve, the Series 400 is ideal on gas, liquid and mixed phase, including heavily dirty applications.
- Its perfect modulating action ensures a fully proportional opening to eliminate destructive effects of liquid hammer, reduce emissions, while providing a stable operation even with high inlet losses.
- The Series 400 is the most suitable safety valve for mixed phase applications.
- Soft seat, elastomer or plastic.
- API Std 526 fully compliant or with full bore orifices.
- Field test connection and complete scope of accessories and configurations.



Anderson Greenwood Series 400 ISO-DOME

- The non-flowing ISO -DOME specific configuration of the Series 400 pilot provides full protection of the critical pilot internals from highly viscous, dirty, waxy or polymerising process media.
- It enables to benefit from the full modulating pilot operated safety valve accuracy and dependability even on the most difficult process fluids.
- Soft seat, elastomer or plastic.
- API Std 526 fully compliant or with full bore orifices.
- Field test connection and complete scope of accessories and configurations.



Anderson Greenwood Series 500

- This unique modulating pilot operated safety valve is specifically designed to handle hot water, steam, hot hydrocarbons vapors or liquids and other aggressive fluids, using only inert plastic soft goods.
- All plastic soft goods, seats and seals.
- API Std 526 fully compliant or with full bore orifices.
- Field test connection and complete scope of accessories and configurations.



Anderson Greenwood Series 800

- The Series 800 is the higher pressure version of the Series 400.
- It is ideal on gas, liquid and mixed phase, including dirty applications, with a full modulating action up to 425 barg [6,170 psig].
- The Series 800 is the most suitable safety valve for high pressure mixed phase applications.
- Soft seat, elastomer or plastic.
- API Std 526 fully compliant or with full bore orifices.
- Field test connection and complete scope of accessories and configurations.



Anderson Greenwood Type 95

- A unique pilot operated safety valve, originally developed for protecting the cargo tanks for LPG ships, it is very rugged with a wide chemical compatibility range for all these hard-to-solve aggressive low- to-medium pressure applications.
- FFKM and PTFE seats and seals.
- Full stainless steel construction as standard.
- Bubble-tight to 95% of set.
- Full modulating pilot
- (can be also set to pop if desired).
- Wide temperature range.



Anderson Greenwood SSV

- Safe and efficient method for switching from an active safety valve to stand-by safety valve. In accordance to all international standards and codes recommendations, the SSV creates much less than 3% inlet pressure losses to the active API Std 526 safety valve.
- Tandem inlet and outlet SSV assembly are available which allow positive and simultaneous switching while maintaining overpressure protection at all time.
- Soft seated with minimal maintenance requirements.
- Very high Cv values, with no oversizing in a compact body.
- Bleed valves as standard for safe removal of the isolated safety valve.
- Clear, positive indication of the active safety valve.
- Simple operation with built-in seat pressure equalisation.
- Allows safety valve maintenance without process shut-down.



Anderson Greenwood Type ITV

- The Internal Tank Valve is a fail-safe isolation valve for bottom or side withdrawal specifically developed for lifelong protection of cryogenic storage tanks like LNG, LPG, NH3, LOX, LIN.
- Full cryogenic construction, seat plate of same grade as tank bottom to ensure thermal and weld full compatibility.
- Redundant manual open cable in case of loss of power.
- Pressure equalizing pilot valve and actuator settings to limit forces on tank top and bottom.
- Bottom mounted pivot or plug design, and side mounted pivot design available.
- Actuators, control panel also available.



BLK Block Body Safety Valves

- Where set pressure requirements exceed the industry standards, on offshore applications right to power plants, Anderson Greenwood, Crosby and Sempell have designed spring loaded and pilot operated safety valves as block body valves to provide cost-effective alternatives to multiple high pressure smaller sizes relief valves.
- The forged body construction allows an extensive array of sizes, pressure ratings and connections, to suit the application. Most materials available from carbon steels to high temperature alloys, duplexes or nickel alloys.
- Spring loaded, pilot operated or power actuated CSPRS designs.
- For some alloys, Hot Isostatic Pressed (HIP) body/bonnet can also be used.



Anderson Greenwood Type RCRV

- The Reserve Capacity Relief Valve has
- been designed to provide overpressure protection on large low pressure refrigerated and cryogenic tanks when large volumes of vapour are generated by unusual conditions.
- Uses a frangible link to achieve almost instantaneous full opening.
- An Inconel spring enables the valve to reclose with around 50% blowdown.
- Nitrile soft seat.
- Aluminium construction with stainless trim.
- Bubble-tight to 95% of set.
- Full open at set pressure.
- Very large capacities to reduce quantity of valves on tank.