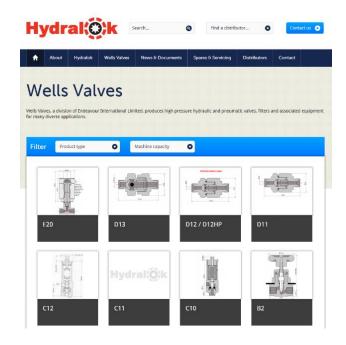
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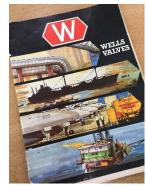
Company History

Wells Valves was created in the 1950's by Stephen Wells and initially produced valves for military equipment. Over the years the application of the valves expanded to cover industrial market segments, gas, oil and gas, chemical plants, power stations and commercial aircraft.



BiS Valves Ltd purchased the Wells Valves division from Hydralok and incorporated BiS Wells as a group company. BIS Valves are dynamic and have extensive design and manufacturing expertise. We continue to invest in the development of the BiS Wells product range, We offer a broad systems capability and continue to achieve recognition and growth in industrial gas and alternative fuels markets.

1950 1989



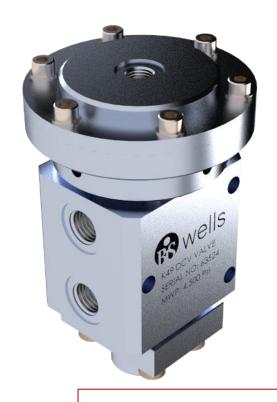
wells

Wells Valves was sold to Hydralok, a subsidiary of Endeavour International. Product development continued, and increased sales growth. In latter years, the company focus shifted away from valves as the ownership of the parent company changed.













Products

Manual Balanced Stop Valves

- DN15, 500 barg – ¼" to 2"

- Non-rising stem, manifold interface

Actuated Balanced Stop Valves

- 2 & 3 port and manifold interface

- DN15 up to 500 bar

Relief Valves

- PED Cat 4 - MWP 450 barg.

• Burst Protection/Excess Flow Valves - 500 barg MWP

- Manual and Auto reset.













Products

Pressure Regulators - Spring 8

- Spring & Dome loaded – 3/8" to 3"

- Cv range – 0.09 to 30

- Pressure range - 69 to 1034 barg

Back Pressure Valves - Spring and Dome Loaded

- Range - 1/4" to 11/2"

- Pressure range - 69 to 758 barg

Solenoid Valves: - ATEX and IECEx certified.

Filters - Inline and 'T' style filters - 500 barg - 5 to 37 μm

Non-Return Valves - Range - 3/8" to 11/2" - 500 barg





Hydrogen Control Solutions

Applications:

- Hydrogen refueling stations
- Hydrogen gas trailers
- Hydrogen gas filling Plants

Key Customers:

- Nanosun
- Calvera
- Kessels
- NPROXX
- Luxfer
- IGAS
- UMOE
- Maximator GmbH











G10 Excess flow/Burst Protection valve

Valve 500 barg



Stainless Steel B10 & B12 Manual Stop valves



A210 Dome

Regulator **_**

500 barg



K Series Actuated
Stop Valves
500 barg



H15 Series
BPMV

A12 Stainless Steel
Spring Loaded
Pressure Regulator



Custom-designed Manifold Solutions

500 barg Manifold solution incorporating 16 off – Solenoids & cartridge filters.



Benefits:

- Smaller envelope area
- Integrated logic components
- Reduced pipework
- Reduced number of connections.
- Reduced number of leak paths
- Ease of assembly
- Reduced assembly cost
- Ease of maintenance







500 barg Manifold with 2 off – ATEX solenoids, cartridge check valves and filters.

B102H2 – DN15, 500 barg - Manual Balanced Stop Valve

PED version available for static H2 filling systems.

TPED Qualification Status

- First batch of valves produced and tested (design frozen)
- NOBO appointed to carry out witness test approval
- Project plan to commence TPED approval November 2022.
- Commercially attractive solution, supplied complete with customer specific flange adaptors.

K39H2 - DN15, 500 barg - Actuated Balanced Stop Valve

TPED approval will commence Q4 2022.
 Approval planned early 2023.





Applications:

Gas Trailers/Transport

- Primary line Isolation Valves -Secondary line Isolation Valves -
- Secondary line isolation
- Cylinder liner protection
- Variable discharge pressure
- Storage protection
- Piping reduction
- Cylinder discharge protection

- 500 barg B102H2 Manual balanced stop valve (TPED approval pending)
- 500 barg K39H2 Actuated Stop valve (TPED approval pending)
- 500 barg E39H2 ATEX approved solenoid valve
- 500 barg H15 back pressure maintaining valves
- 500 barg A210 Dome loaded pressure regulator
- 600 barg A10 Spring loaded regulator
- 450 barg C11 relief valves (PED cat 4 certified)
- Bespoke manifold solutions
- 500 barg G10H2 Excess flow/ Burst protection valve

Static Refueling Stations

- Primary line Isolation Valves
- Line Isolation Valves
- Line isolation
- Line pressure regulation

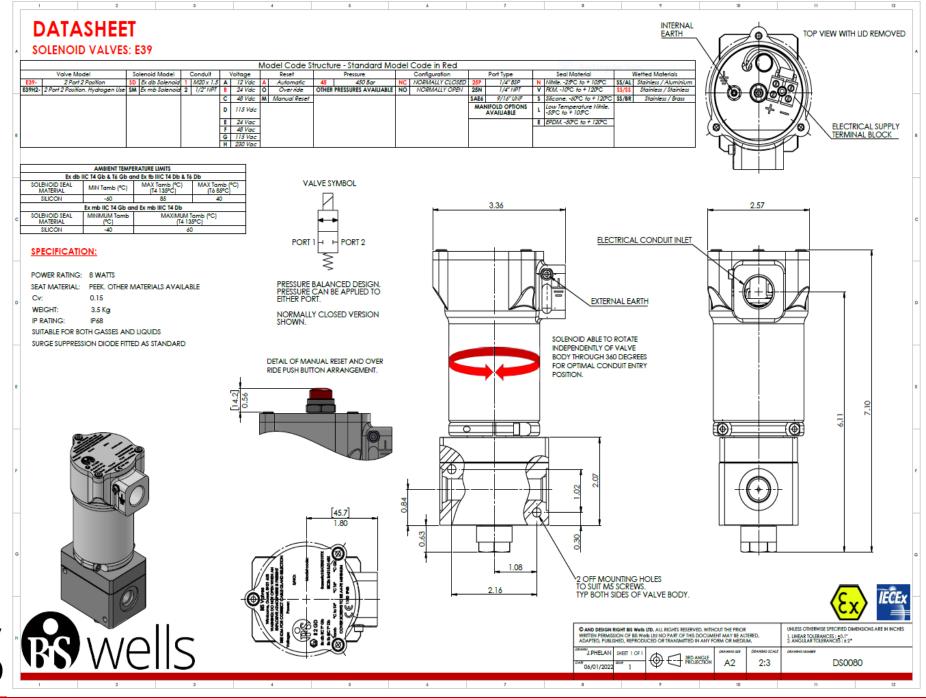
- 500 barg B102H2 Manual balanced stop valve
- 500 barg K39H2 Actuated Stop valve
- 450 barg E39H2 ATEX approved solenoid valve
- 600 barg A10 series spring loaded regulator.

E39H2 Series Solenoid Valve

Features:

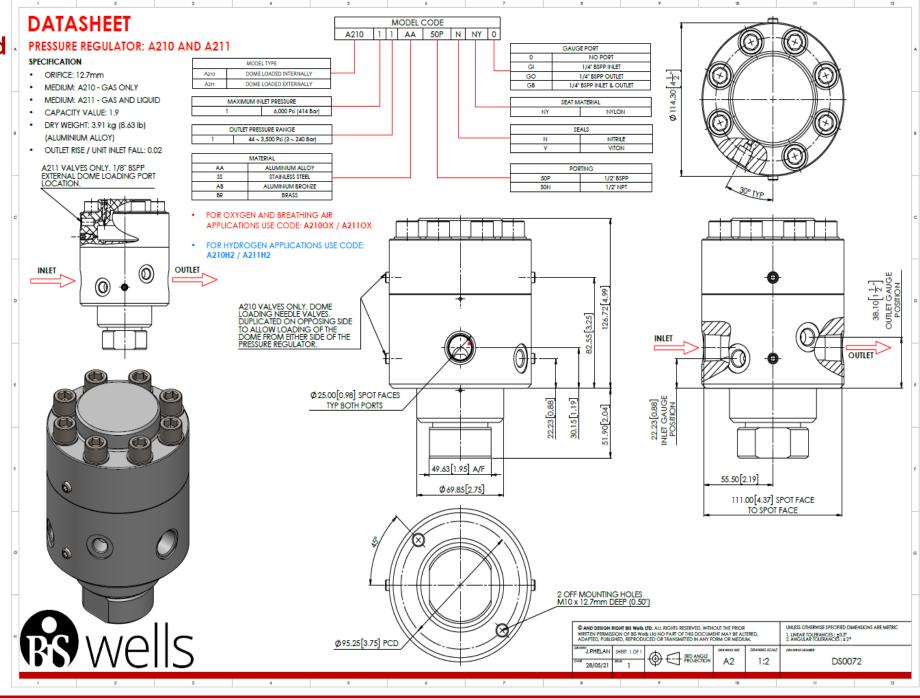
- ATEX & IECx certified
- Manifold & Cartridge interface options
- 8-Watt power rating
- Range of voltage options
- 500 barg MWP
- Balanced design
- Bi-directional
- ATEX position proximity sensor option





A210 & 211 Series Dome loaded Pressure Regulator

- MWP 500 barg
- Cv- 1.9
- Various material options
- Hydrogen gas application specific.

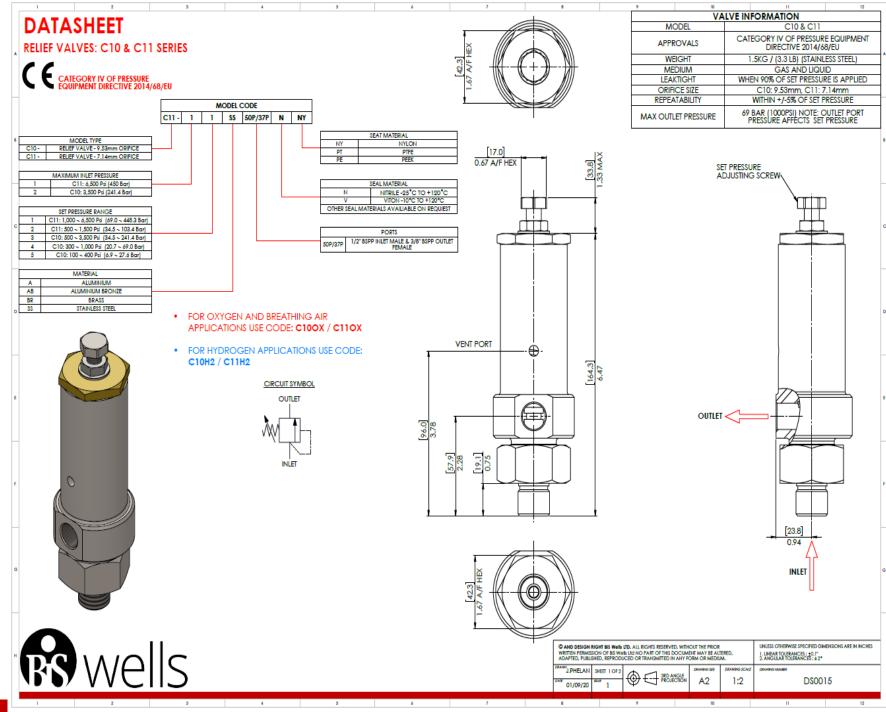




C10 & C11 Relief Valve (PED Cat 4)

- MWP 450 barg
- PED Cat 4 certified
- Range of material options
- Oxygen and hydrogen options



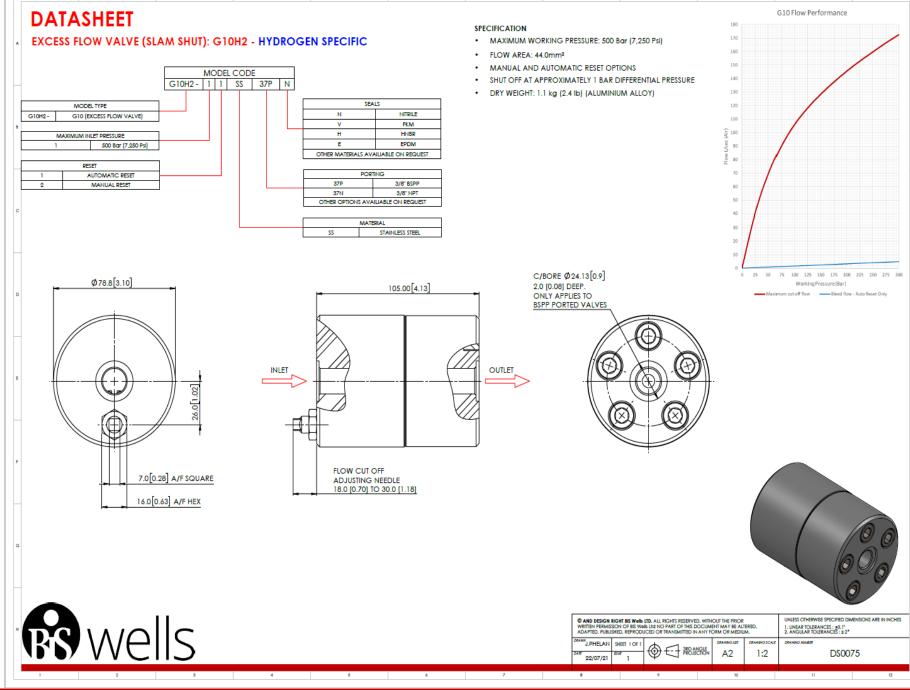


G10H2 Excess Flow/Burst protection Valve

- MWP 500 barg
- Range of material options

Applications:

- Hydrogen fill & decant systems
- Downstream pipe/line failure protection

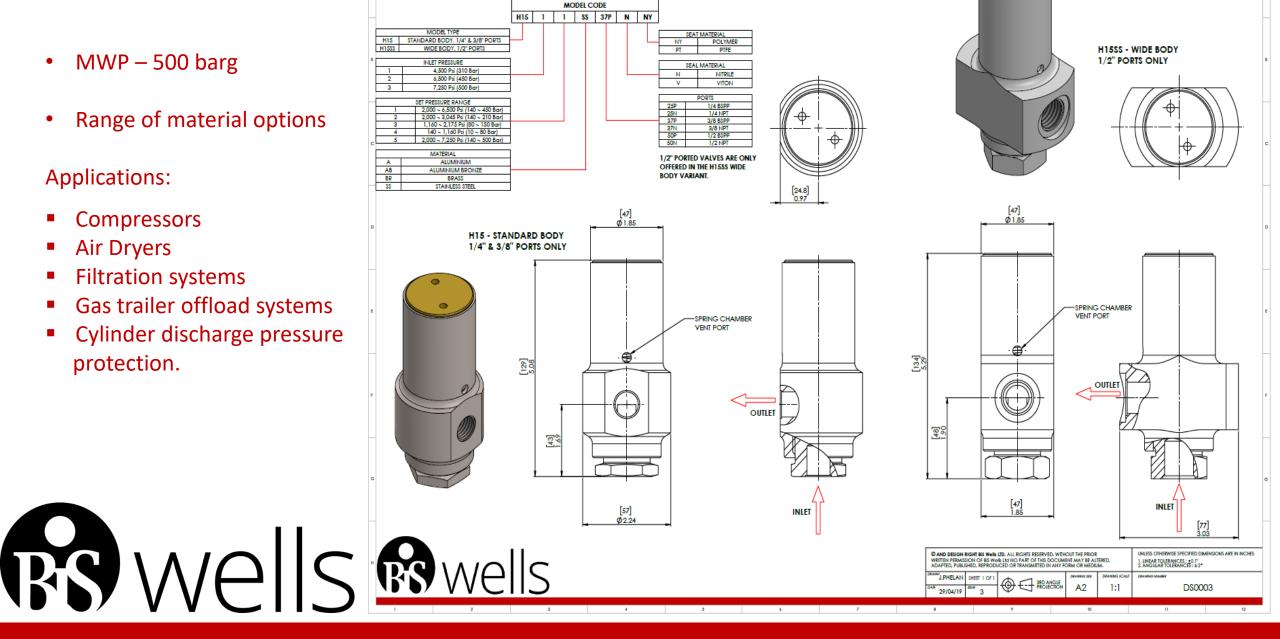




H15 Series BPMV

DATASHEET

BACK PRESSURE MAINTAINING VALVES (BPMV): H15 SERIES



WEIGHT: H15 - 1.5Kg. H15SS - 1.7Kg ORIFICE DIAMETER: 5.8mm





For more information contact: sales@hydraserv.no www.hydraserv.no

