



# DRX15

High Pressure Dome  
Regulators for Hydrogen  
1/2" (DN15)



YOUR CREATIVE ENGINEERING PARTNER

# DRX15

## High Pressure Dome Regulators

Series DRX15 provides a configurable Dome Regulator product offering performance optimised for use with hydrogen at high pressure and a wide temperature range.

This product enables pressure control solutions to be configured and provided as a fully tested solution. For Over-Pressure Protection solutions, see our Slam Shut Valve range



### HIGHLIGHTS

- > No client engineering required to set-up - all functions delivered in one assembly.
- > Dynamic Piloting offers improved delivery pressure accuracy.
- > Spring loaded pilot can be easily adjusted or locked at a set pressure.

### IDEAL USES

- > H2 Systems (in conjunction with our Slam Shut Valves for full pressure safety on flammable gas systems).
- > Trailer Decanting (especially where high flow is required, even at low trailer pressure).

Cv  
**0.8 & 2**  
Options

Maximum Working Pressure:  
**780** barg  
(11,310 psig)

Outlet  
**50 to 250**  
barg  
(725 to 3,625 psig)

## FEATURES AND SPECIFICATIONS

### 1. Spring Loaded Pilot Regulator

- > For easy adjustment of outlet pressure. A locked outlet version is also available.

### 2. Dynamic Pilot System

- > Provides stable outlet pressures even when inlet pressures are increased rapidly.

### 3. Connection Ports

- > Are configurable for easy integration with fewer leak paths.

### 4. Fully Balance Valve Mechanism

- > For long service life and accurate pressure control.

### 5. Proprietary Sealing Technology

- > Provides reliable leak-tight construction in hydrogen service across the full range of pressure and temperatures.



## OTHER OPTIONS

- > A range of threaded / weld stub connections available

PRODUCT SPECIFICATION DATA	DRX 15
Nominal Bore	DN15
Inlet Rating	780 barg (11,310 psig)
Medium	Hydrogen
Pressure Ranges (barg)	Inlet = 0–780 (11310 psig) Outlet = 50–250 (725–3625 psig)
Temperature Range	-40°C – +65°C
Weight	11.0 kg
Leakage	Bubble Tight
Valve Body Material	Stainless Steel 316L
Piston Material	Stainless Steel 316L
Seal Materials	PCTFE, HNBR, +PEEK
Cv	0.8 & 2 Options

# ORDERING INFORMATION

D	RX	15	A	A	2	H	K	1	
Type	Pressure Category	Series (Nominal Size)	Port Type (Inlet)	Port Type (Outlet)	CV	Elastomer Type	Seat Material	Loading Option	Special Cleaning
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Omit If Not Used
'D'	'RX' High Pressure (780 barg)	'15' (1" / DN25) (1/2)	'X' No Flanges	'X' No Flanges	'2' 2	'H' HNBR	'P' PEEK *	'N' Needle Valve Block	'1' Oxygen Clean
			'A' 1/2" NPT	'A' 1/2" NPT	0.8			'1' Pilot Regulator, SRH6 0-250 barg	'2' Breathing Air Service
			'D' 1/2" BSP - 380 only	'D' 1/2" BSP - 380 only				'2' Pilot Regulator - High Sensitivity, SRH6 0-250 barg - Locked Outlet	
			'F' 3/4" Medium Pressure	'F' 3/4" Medium Pressure					
			'J' 3/4" XXS BUTT WELD	'J' 3/4" XXS BUTT WELD					
			'K' 9/16" MP (13/16UN)	'K' 9/16" MP (13/16UN)					

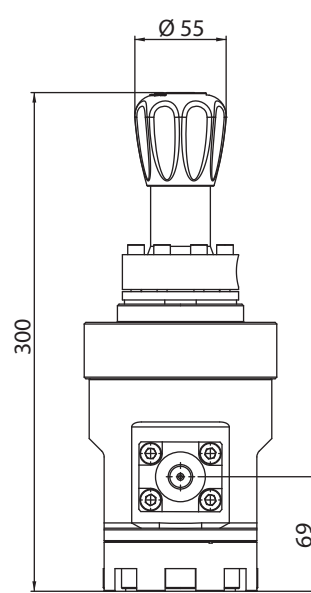
# PRODUCT DIMENSIONS (IN MM)

## PRODUCT ORDERING INFORMATION

When placing an enquiry please advise the following:

- > Inlet Pressure Range
- > Outlet Pressure Range
- > Flow Rate Range
- > Fluid Temperature Range
- > Ambient Temperature Range
- > Fluid Type
- > Connections Required (if threaded or flanges) or Pipe Sizes and Material (if welded connections required)
- > Application Details – Tell us what you're trying to achieve. Including any special requirements.

**HANDWHEEL**



**LOCKED VERSION**

