

Pressure reducing valve Type 8937 stainless steel internal thread



A full stainless steel direct acting pressure reducing valve, especially designed for steam up to 200 °C. Also very much suited for applications involving liquids, air and neutral gases. Due to a specially developed interior design fluctuating inlet pressures do not influence the reduced pressure because of the inbuilt pressure relief, which guarantees a constant outlet pressure. The piston operated trim makes it this pressure reducing valve very robust, and a long lifespan is guaranteed.

Characteristics

Series: DRV 738-D

Type: 8937

Model: Direct-acting

Connection: Internal thread [BSPP]

Maximum inlet pressure: 16 bar

Medium temperature: 20 / 200 °C

Suitable for gases: 1

Housing material: Stainless steel

Material quality: 1.4408

Material disc: 1.4404

Seat material: 1.4404

Membrane material: 1.4404

Spring material: Stainless steel

Material spring bonnet: 1.4408

With couplers: No

Backflow preventer: No

Application

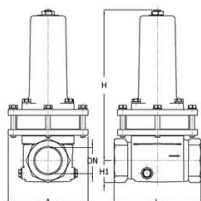
- Steam up to 200 °C.
- Hot water.
- Various fluids (please check on chemical resistancy).
- Air.
- Neutral gases.

Technical Information

- Downstream pressure ranges:
- 0.3 - 2.0 bar.
- 2.0 - 5.0 bar.
- 4.0 - 10.0 bar.
- Maximum pressure reducing ratio 53 : 1.
- Capacity rangeability ratio 20 : 1.
- Minimum reduced pressure 0.3 bar.
- Minimum pressure difference 1 bar.

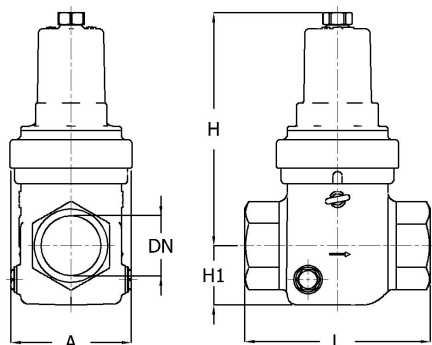
Approval

- CE DGRL 2014/68/EU.
- DNV GL.
- Lloyd's Register.
- Bureau Veritas.
- American Bureau of Shipping.
- CCS.



Size table:

DN	P bar	A mm	H mm	H1 mm	L mm	Weight kg
1/2" [15]	2 / 5	79	117	29	95	1.4
1/2" [15]	0.3 / 2	79	150	29	95	2.3
1/2" [15]	4 / 10	79	117	29	95	1.4
3/4" [20]	4 / 10	79	117	29	95	1.4
3/4" [20]	0.3 / 2	79	150	29	95	2.3
3/4" [20]	2 / 5	79	117	29	95	1.4
1" [25]	2 / 5	81	117	38	110	2.2
1" [25]	4 / 10	81	117	38	110	2.2
1" [25]	0.3 / 2	81	151	38	110	3.1
1.1/4" [32]	0.3 / 2	81	151	38	120	3
1.1/4" [32]	4 / 10	81	117	38	120	2.1
1.1/4" [32]	2 / 5	81	117	38	120	2.1
1.1/2" [40]	2 / 5	101	217	38	150	5.5
1.1/2" [40]	0.3 / 2	138	262	38	150	5.5
1.1/2" [40]	4 / 10	101	217	38	150	5.5
2" [50]	0.3 / 2	138	262	38	160	8.5
2" [50]	4 / 10	101	217	38	160	5.4
2" [50]	2 / 5	101	217	38	160	5.4



Nominal inner diameter	Capacity type	Kvs value m³/h	Reduced pressure range bar	Article
1/2" [15]	Standard	3.6	2 / 5	14279648
1/2" [15]	Standard	3.6	0.3 / 2	14279642
1/2" [15]	Standard	3.6	4 / 10	14279654
3/4" [20]	Standard	4.1	4 / 10	14279655
3/4" [20]	Standard	4.1	0.3 / 2	14279643
3/4" [20]	Standard	4.1	2 / 5	14279649
1" [25]	Standard	5.3	2 / 5	14279650
1" [25]	Standard	5.3	4 / 10	14279656
1" [25]	Standard	5.3	0.3 / 2	14279644
1.1/4" [32]	Standard	5.6	0.3 / 2	14279645
1.1/4" [32]	Standard	5.6	4 / 10	14279657
1.1/4" [32]	Standard	5.6	2 / 5	14279651
1.1/2" [40]	Standard	13.3	2 / 5	14279652
1.1/2" [40]	Standard	13.3	0.3 / 2	14279646
1.1/2" [40]	Standard	13.3	4 / 10	14279658
2" [50]	Standard	14	0.3 / 2	14279647
2" [50]	Standard	14	4 / 10	14279659
2" [50]	Standard	14	2 / 5	14279653

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