

ARD-SF-002

Full-lift safety valve



A full-lift safety valve range with a stainless steel body and hard-faced closure components.

Sizes and pressure ratings depend on construction, materials and configuration. Confirm the selected pressure-temperature rating with the quotation.

Product illustration. Appearance and dimensions depend on the selected configuration.

Selection	Specification
Size range	DN 10-40
Pressure ratings	PN40 (4.0 MPa nominal)
Temperature	-196 to +80°C
Connections	Threaded / union
Medium	O2, N2, Ar, CO2, NG

Define your requirement

Specify medium, design pressure and temperature, nominal size, connection standard, operation, quantity and required inspection documentation.

[View this product and request a quotation](#)

This catalogue datasheet supports selection and enquiry. It is not a certified pressure-temperature curve, installation drawing or order-specific approval.

Technical specification

Parameter	Specification
Size range	DN 10-40
Pressure ratings	PN40 (4.0 MPa nominal)
End connections	Threaded / union
Medium	O2, N2, Ar, CO2, NG
Temperature range	-196 to +80°C

End connections

Illustrated arrangement: Bottom inlet and perpendicular side outlet with union/adapter fittings in the reference.

Connection detail	Selection requirement
Published connection	Threaded
Connection standard	Not specified on this product page. Confirm the mating standard with the offer.
Drawing designation M1	31×1.5, 30×1.5, 36×2, 48×2, 52×2 (size-dependent; see dimension table).
Drawing designation M2	24×1.5, 30×1.5, 42×2, 45×2, 52×2, 62×2 (size-dependent; see dimension table).
Thread selection	Confirm male/female, diameter, pitch and sealing method. Metric M and G references must not be substituted with NPT.

Materials

Component	Material / option
Body	CF8
Seat	06Cr19Ni10+CO112
Spring	1Cr18Ni9
Top / closure element	06Cr19Ni10+CO112
Gasket	PTFE

Reference dimensions

Dimensions apply to the tabulated version only. Confirm the approved outline drawing for the selected size, rating and connections before installation.

DN	H	M1	M2	L1	L2	Weight (kg)
10	138	31X1.5	24X1.5	48	35	-
15	168	30X1.5	30X1.5	56	45	1.05
20	180	36X2	42X2	55	48	1.405

DN	H	M1	M2	L1	L2	Weight (kg)
25	180	36X2	42X2	55	48	-
25	181	36X2	45X2	59	47	-
32	211	48X2	52X2	76	63	-
40	214	52X2	62X2	75	68	-

Linear dimensions: mm; weights: kg unless stated otherwise. Thread, mounting and pressure designations are not linear dimensions. A dash means that no value is documented. Request the approved outline drawing for installation.

Configuration features

- Threaded

Selection notes

Sizes and pressure ratings depend on construction, materials and configuration. Confirm the selected pressure-temperature rating with the quotation.

Nominal pressure is not a selected set pressure. Specify the set pressure, required relieving capacity, medium and applicable approval requirements.

“Top / closure element” follows the component designation in the reference material list.

PN, ASME Class and safety-valve set pressure are separate values. Confirm allowable pressure versus temperature, material compatibility, oxygen cleaning, trapped-liquid relief and required certification for the selected assembly. Liquid hydrogen and helium service require a separate assessment.