



ARI Control valve two way Type 2833 series 35.448 steel electric flange

Characteristics

Series: 35.448
Type: 2833
Housing material: Cast steel
Material quality: 1.0619+N
Connection: Flange
Standard connection: EN 1092-1/02
Ground characteristic: Equal percentage
Plug: Parabolic cone
Control range: 50:1
Leakage class: IV EN60534-4
Stem seal type: Roof cuffs
Material bonnet: 1.0619+N
Material cone: 1.4021
Seat material: 1.4021
Spindle material: 1.4021
Secondary spindle seal material: PTFE
Bonnet gasket material: Graphite
Surface protection: Paint min. 30 µm
Type of actuator: Electrical
Supply voltage: 100 -240V AC
Zero-pressure return flow: None
Control signal: Three-point / 0 - 10 V / 4-20 mA
With feedback signal: No
Level of protection (IP value): IP65
With end contacts: No
Position indicator: Yes
Manual operation: Yes
Medium temperature: -10 / 220 °C
Ambient temperature: -20 / 70 °C

Application

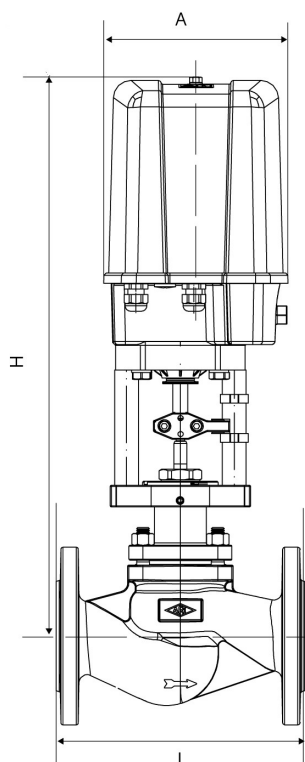
- Water.
- Steam.
- Coolant.
- Thermic oils.
- Neutral liquids and gasses.

Technical Information

- Compact and variable design.
 - Robust cone guiding.
 - 360° Rotatable actuator.
 - Quick coupling between valve and actuator.
 - Large and accurate control range due to control ratio of 50:1.
 - Various Kvs-values.
 - Low leakage rate due to conical valve seal.
 - Equal percentage control characteristic.
 - Electrical Premio-Plus® actuator.
 - Integrated digital valve positioner.
 - Equipped with emergency manual operation.
- Maximum electrical power input:**
- 21 VA - Premio-plus 2,2.
 - 65 VA - Premio-plus 5, Premio-plus 12, Premio-plus 15.

Options

- With a stainless steel spindle bellow suited for thermic oils and volatile gases.
- Various sealing variants.



Size table:

DN	Actuator	A mm	H mm	L mm	Weight kg
DN15	Premio-pl 2,2	171	496	130	10
DN20	Premio-pl 2,2	171	496	150	11
DN25	Premio-pl 2,2	171	511	160	12
DN32	Premio-pl 2,2	171	511	180	14
DN32	Premio-pl 5	171	511	180	14
DN40	Premio-pl 2,2	171	526	200	16
DN40	Premio-pl 5	171	526	200	16
DN50	Premio-pl 2,2	171	533	230	19
DN50	Premio-pl 5	171	533	230	19
DN65	Premio-pl 5	171	550	290	25
DN65	Premio-pl 15	210	667	290	29
DN80	Premio-pl 5	171	572	310	32
DN80	Premio-pl 15	210	689	350	36
DN100	Premio-pl 5	171	588	350	44
DN100	Premio-pl 15	210	705	350	48

Nominal inner diameter	Connection size	Pressure rating flange	Kvs value	Stroke mm	Type coding actuator	Adjusting force kN	Operating time s	Max. pressure difference in opened position bar	Closing pressure bar	Article
DN15	DN15	PN40	0.1	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424965
DN15	DN15	PN40	0.16	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424966
DN15	DN15	PN40	0.25	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424967
DN15	DN15	PN40	0.4	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424968
DN15	DN15	PN40	0.63	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424969
DN15	DN15	PN40	1	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424970
DN15	DN15	PN40	1.6	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424971
DN15	DN15	PN40	2.5	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424972
DN15	DN15	PN40	4	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424973
DN20	DN20	PN40	0.1	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424974
DN20	DN20	PN40	0.16	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424975
DN20	DN20	PN40	0.25	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424976
DN20	DN20	PN40	0.4	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424977
DN20	DN20	PN40	0.63	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424978
DN20	DN20	PN40	1	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424979
DN20	DN20	PN40	1.6	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424980

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Nominal inner diameter	Connection size	Pressure rating flange	Kvs value	Stroke	Type coding actuator	Adjusting force	Operating time	Max. pressure difference in opened position	Closing pressure	Article
				mm		kN	s	bar	bar	
DN20	DN20	PN40	2.5	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424981
DN20	DN20	PN40	4	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424982
DN20	DN20	PN40	6.3	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424983
DN25	DN25	PN40	0.1	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424984
DN25	DN25	PN40	0.16	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424985
DN25	DN25	PN40	0.25	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424986
DN25	DN25	PN40	0.4	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424987
DN25	DN25	PN40	0.63	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424988
DN25	DN25	PN40	1	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424989
DN25	DN25	PN40	1.6	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424990
DN25	DN25	PN40	2.5	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424991
DN25	DN25	PN40	4	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424992
DN25	DN25	PN40	6.3	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424993
DN25	DN25	PN40	10	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424994
DN32	DN32	PN40	1	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424995
DN32	DN32	PN40	1.6	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424996
DN32	DN32	PN40	2.5	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424997
DN32	DN32	PN40	4	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424998
DN32	DN32	PN40	6.3	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13424999
DN32	DN32	PN40	10	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13425000
DN32	DN32	PN40	16	15	Premio-pl 2,2	2.2	15s / 32s / 39s / 60s	28	28	13425001
DN32	DN32	PN40	16	15	Premio-pl 5	5	15s / 32s / 39s / 60s	40	40	13425002
DN40	DN40	PN40	6.3	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13425003
DN40	DN40	PN40	10	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13425004
DN40	DN40	PN40	16	15	Premio-pl 2,2	2.2	15s / 32s / 39s / 60s	28	28	13425005
DN40	DN40	PN40	16	15	Premio-pl 5	5	15s / 32s / 39s / 60s	40	40	13425007
DN40	DN40	PN40	25	15	Premio-pl 2,2	2.2	15s / 32s / 39s / 60s	17	17	13425006
DN40	DN40	PN40	25	15	Premio-pl 5	5	15s / 32s / 39s / 60s	30	40	13425008
DN50	DN50	PN40	10	10	Premio-pl 2,2	2.2	10s / 21s / 26s / 40s	40	40	13425009
DN50	DN50	PN40	16	15	Premio-pl 2,2	2.2	15s / 32s / 39s / 60s	28	28	13425010
DN50	DN50	PN40	16	15	Premio-pl 5	5	15s / 32s / 39s / 60s	40	40	13425013
DN50	DN50	PN40	25	15	Premio-pl 2,2	2.2	15s / 32s / 39s / 60s	17	17	13425011
DN50	DN50	PN40	25	15	Premio-pl 5	5	15s / 32s / 39s / 60s	30	40	13425014

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Nominal inner diameter	Connection size	Pressure rating flange	Kvs value	Stroke	Type coding actuator	Adjusting force	Operating time	Max. pressure difference in opened position	Closing pressure	Article
				mm		kN	s	bar	bar	
DN50	DN50	PN40	40	15	Premio-pl 2,2	2.2	15s / 32s / 39s / 60s	11	11	13425012
DN50	DN50	PN40	40	15	Premio-pl 5	5	15s / 32s / 39s / 60s	30	30	13425015
DN65	DN65	PN40	16	15	Premio-pl 5	5	15s / 32s / 39s / 60s	40	40	13425016
DN65	DN65	PN40	25	15	Premio-pl 5	5	15s / 32s / 39s / 60s	30	40	13425017
DN65	DN65	PN40	40	15	Premio-pl 5	5	15s / 32s / 39s / 60s	29	29	13425018
DN65	DN65	PN40	40	15	Premio-pl 15	15	19s / 39s / 48s / 75s	30	40	13425020
DN65	DN65	PN40	63	20	Premio-pl 5	5	20s / 43s / 53s / 80s	10	17	13425019
DN65	DN65	PN40	63	20	Premio-pl 15	15	25s / 53s / 65s / 100s	10	40	13425021
DN80	DN80	PN40	25	15	Premio-pl 5	5	15s / 32s / 39s / 60s	30	40	13425022
DN80	DN80	PN40	40	15	Premio-pl 5	5	15s / 32s / 39s / 60s	29	29	13425023
DN80	DN80	PN40	40	15	Premio-pl 15	15	19s / 39s / 48s / 75s	30	40	13425026
DN80	DN80	PN40	63	20	Premio-pl 5	5	20s / 43s / 53s / 80s	10	17	13425024
DN80	DN80	PN40	63	20	Premio-pl 15	15	25s / 53s / 65s / 100s	10	40	13425027
DN80	DN80	PN40	100	25	Premio-pl 5	5	25s / 53s / 66s / 100s	8	10	13425025
DN80	DN80	PN40	100	25	Premio-pl 15	15	32s / 66s / 81s / 125s	8	36	13425028
DN100	DN100	PN40	40	15	Premio-pl 5	5	15s / 32s / 39s / 60s	29	29	13425029
DN100	DN100	PN40	40	15	Premio-pl 15	15	19s / 39s / 48s / 75s	30	40	13425032
DN100	DN100	PN40	63	20	Premio-pl 5	5	20s / 43s / 53s / 80s	10	17	13425030
DN100	DN100	PN40	63	20	Premio-pl 15	15	25s / 53s / 65s / 100s	10	40	13425033
DN100	DN100	PN40	100	25	Premio-pl 5	5	25s / 53s / 66s / 100s	8	10	13425031
DN100	DN100	PN40	100	25	Premio-pl 15	15	32s / 66s / 81s / 125s	8	36	13425034
DN100	DN100	PN40	160	30	Premio-pl 15	15	38s / 79s / 97s / 150s	3	19	13425035

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