



ARI Control valve two way Type 2881 series 12.440 cast iron electric flange

Application area

- Precise control of water, steam, coolant, neutral liquids and gasses, among other media.

Particularities

- Economic proven design
- Simple spindle guiding
- Large control range and accurate due to control ratio of 50:1.
- Various sealing variants.
- Various Kvs values.
- Low leakage rate due to conical valve seal.
- Equal percentage control characteristic.
- Electric Premio-Plus® actuator.
- Integrated digital valve positioner.
- Equipped with emergency handwheel.

Characteristics

Series: 12.440

Type: 2881

Housing material: Cast iron

Material quality: EN-JL1040

Connection: Flange

Standard connection: EN 1092-1/02

Pressure rating flange: PN16

Ground characteristic: Equal percentage

Plug: Parabolic cone

Control range: 50:1

Leakage class: IV EN60534-4

Material bonnet: EN-JS1049

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

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.
- Neutral liquids and gasses.

Technical Information

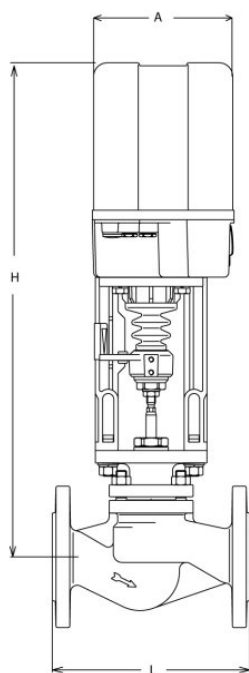
- Economically proven design.
- Simple spindle guiding.
- Large and accurate control range due to control ratio of 50:1.
- Various Kvs-values.
- Low leakage rate due to conical valve seal.
- Equal percentage control characteristic.
- Electrical Premio-Plus® actuator.
- Integrated digital valve positioner.
- 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

- Various sealing variants.



Size table:

DN	Actuator	A mm	H mm	L mm	Weight kg
DN15	Premio-pl 2,2	171	551	130	9
DN20	Premio-pl 2,2	171	551	150	10
DN25	Premio-pl 2,2	171	559	160	11
DN32	Premio-pl 2,2	171	559	180	12
DN40	Premio-pl 2,2	171	566	200	14
DN50	Premio-pl 2,2	171	572	230	17
DN65	Premio-pl 2,2	171	585	290	22
DN65	Premio-pl 5	171	585	290	22
DN80	Premio-pl 5	171	600	310	28
DN100	Premio-pl 5	171	619	350	39

Nominal inner diameter	Connection size	Kvs value	Stroke mm	Stem seal type	Type coding actuator	Adjusting force kN	Supply voltage	Operating time s	Max. pressure difference in opened position bar	Article
DN15	DN15	4	20	Roof cuffs	Premio-pl 2,2	2.2	24V AC/DC	20s / 43s / 53s / 80s	16	13426724
DN15	DN15	4	20	Roof cuffs	Premio-pl 2,2	2.2	100 -240V AC	20s / 43s / 53s / 80s	16	12725950
DN20	DN20	6.3	20	Roof cuffs	Premio-pl 2,2	2.2	100 -240V AC	20s / 43s / 53s / 80s	16	12725952
DN25	DN25	6.3	20	Roof cuffs	Premio-pl 2,2	2.2	100 -240V AC	20s / 43s / 53s / 80s	16	13426733
DN25	DN25	10	20	Roof cuffs	Premio-pl 2,2	2.2	24V AC/DC	20s / 43s / 53s / 80s	16	13426717
DN25	DN25	10	20	Roof cuffs	Premio-pl 2,2	2.2	100 -240V AC	20s / 43s / 53s / 80s	16	12725945
DN32	DN32	10	20	O-ring	Premio-pl 2,2	2.2	100 -240V AC	20s / 43s / 53s / 80s	16	13426730
DN32	DN32	16	20	Roof cuffs	Premio-pl 2,2	2.2	100 -240V AC	20s / 43s / 53s / 80s	16	12725947
DN40	DN40	25	20	Roof cuffs	Premio-pl 2,2	2.2	100 -240V AC	20s / 43s / 53s / 80s	16	12725949
DN50	DN50	40	20	Roof cuffs	Premio-pl 2,2	2.2	24V AC/DC	20s / 43s / 53s / 80s	16	13426721
DN50	DN50	40	20	Roof cuffs	Premio-pl 2,2	2.2	100 -240V AC	20s / 43s / 53s / 80s	16	12725951
DN65	DN65	40	30	Roof cuffs	Premio-pl 2,2	2.2	24V AC/DC	30s / 64s / 79s / 120s	8	13426740
DN65	DN65	40	30	Roof cuffs	Premio-pl 5	5	24V AC/DC	30s / 64s / 79s / 120s	8	13426741
DN65	DN65	63	30	Roof cuffs	Premio-pl 2,2	2.2	100 -240V AC	30s / 64s / 79s / 120s	8	13426710
DN65	DN65	63	30	Roof cuffs	Premio-pl 5	5	100 -240V AC	30s / 64s / 79s / 120s	8	12725953
DN80	DN80	100	30	Roof cuffs	Premio-pl 5	5	100 -240V AC	30s / 64s / 79s / 120s	4	12725946
DN100	DN100	160	30	Roof cuffs	Premio-pl 5	5	100 -240V AC	30s / 64s / 79s / 120s	1.5	12725948

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