



ARI Control valve two way fig. 2831 series 12.448 cast iron electric flange

Characteristics

Serie: 12.448
Type: 2831
Housing material: Cast iron
Material quality: EN-JL1040
Connection: Flange
Standard connection: EN 1092-1/02
Ground characteristic: Equal percentage
Plug: Parabolic cone
Control range: 50:1
Leakage class: IV EN60534-4
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
Medium temperature: -10 / 220 °C
Ambient temperature: -20 / 70 °C

Characteristics [2]

Surface protection: Paint min. 30 µm
Type of actuator: Electrical
Supply voltage: 100 -240V AC
Zero-pressure return flow: None
Max. electric power input: 65 V·A
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

DN [mm]	L	H (Premio)		A (Premio)		
		2,2 kN	5 kN	15 kN	, 2/5 kN	15 kN
15	130	496	496	-	171	-
20	150	496	496	-	171	-
25	160	511	511	-	171	-
32	180	511	511	-	171	-
40	200	526	526	-	171	-
50	230	533	533	-	171	-
65	290	-	550	667	171	210
80	310	-	572	689	171	210
100	350	-	588	705	171	210

Nominal inner diameter	Connection size	Pressure rating flange	Kvs value	Stroke mm	Stem seal type	Adjusting force kN	Operating time s	Max. pressure difference in opened position bar	Closing pressure bar	Article
DN15	DN15	PN16	0.16	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315015-C9NAX002
DN15	DN15	PN16	0.25	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315015-C9NAX003
DN15	DN15	PN16	0.4	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315015-C1NAX000

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Nominal inner diameter	Connection size	Pressure rating flange	Kvs value	Stroke	Stem seal type	Adjusting force	Operating time	Max. pressure difference in opened position	Closing pressure	Article
				mm				bar		
DN15	DN15	PN16	0.63	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315015-C2NAX000
DN15	DN15	PN16	1	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315015-CANAX000
DN15	DN15	PN16	1.6	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315015-CBNAX000
DN15	DN15	PN16	2.5	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315015-CCNAX000
DN15	DN15	PN16	4	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315015-CDNAX000
DN20	DN20	PN16	0.1	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315020-C9NAX001
DN20	DN20	PN16	0.16	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315020-C9NAX002
DN20	DN20	PN16	0.25	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315020-C9NAX003
DN20	DN20	PN16	0.4	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315020-C1NAX000
DN20	DN20	PN16	0.63	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315020-C2NAX000
DN20	DN20	PN16	1	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315020-CANAX000
DN20	DN20	PN16	1.6	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315020-CBNAX000
DN20	DN20	PN16	2.5	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315020-CCNAX000
DN20	DN20	PN16	4	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315020-CDNAX000
DN20	DN20	PN16	6.3	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315020-CENAX000
DN25	DN25	PN16	0.1	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315025-C9NAX001
DN25	DN25	PN16	0.16	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315025-C9NAX002
DN25	DN25	PN16	0.25	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315025-C9NAX003
DN25	DN25	PN16	0.4	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315025-C1NAX000
DN25	DN25	PN16	0.63	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315025-C2NAX000
DN25	DN25	PN16	1	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315025-CANAX000
DN25	DN25	PN16	1.6	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315025-CBNAX000
DN25	DN25	PN16	2.5	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315025-CCNAX000
DN25	DN25	PN16	4	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315025-CDNAX000
DN25	DN25	PN16	6.3	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315025-CENAX000
DN25	DN25	PN16	10	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315025-CFNAX000
DN32	DN32	PN16	1	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315032-CANAX000
DN32	DN32	PN16	1.6	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315032-CBNAX000
DN32	DN32	PN16	2.5	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315032-CCNAX000
DN32	DN32	PN16	4	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315032-CDNAX000
DN32	DN32	PN16	6.3	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315032-CENAX000
DN32	DN32	PN16	10	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315032-CFNAX000
DN32	DN32	PN16	16	15	Roof cuffs	2.2	15s / 32s / 39s / 60s	16	16	EC028315032-CGNAX000

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Nominal inner diameter	Connection size	Pressure rating flange	Kvs value	Stroke	Stem seal type	Adjusting force	Operating time	Max. pressure difference in opened position	Closing pressure	Article
				mm				bar		
DN40	DN40	PN16	6.3	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315040-CENAX000
DN40	DN40	PN16	10	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315040-CFNAX000
DN40	DN40	PN16	16	15	Roof cuffs	2.2	15s / 32s / 39s / 60s	16	16	EC028315040-CGNAX000
DN40	DN40	PN16	25	15	Roof cuffs	2.2	15s / 32s / 39s / 60s	16	16	EC028315040-CHNAX000
DN50	DN50	PN16	10	10	Roof cuffs	2.2	10s / 21s / 26s / 40s	16	16	EC028315050-CFNAX000
DN50	DN50	PN16	16	15	Roof cuffs	2.2	15s / 32s / 39s / 60s	16	16	EC028315050-CGNAX000
DN50	DN50	PN16	25	15	Roof cuffs	2.2	15s / 32s / 39s / 60s	16	16	EC028315050-CHNAX000
DN50	DN50	PN16	40	15	Roof cuffs	2.2	15s / 32s / 39s / 60s	11	11	EC028315050-CJNAX000
DN50	DN50	PN16	40	15	Roof cuffs	5	15s / 32s / 39s / 60s	16	16	EC028316050-CJNAX000
DN65	DN65	PN16	16	15	Roof cuffs	5	15s / 32s / 39s / 60s	16	16	EC028316065-CGNAX000
DN65	DN65	PN16	25	15	Roof cuffs	5	15s / 32s / 39s / 60s	16	16	EC028316065-CHNAX000
DN65	DN65	PN16	40	15	Roof cuffs	5	15s / 32s / 39s / 60s	16	16	EC028316065-CJNAX000
DN65	DN65	PN16	63	20	Roof cuffs	5	20s / 43s / 53s / 80s	10	10	EC028316065-CKNAX000
DN80	DN80	PN16	25	15	Roof cuffs	5	15s / 32s / 39s / 60s	16	16	EC028316080-CHNAX000
DN80	DN80	PN16	40	15	Roof cuffs	5	15s / 32s / 39s / 60s	16	16	EC028316080-CJNAX000
DN80	DN80	PN16	63	20	Roof cuffs	5	20s / 43s / 53s / 80s	10	16	EC028316080-CKNAX000
DN80	DN80	PN16	100	25	Roof cuffs	5	25s / 53s / 66s / 100s	8	10	EC028316080-CLNAX000
DN80	DN80	PN16	100	25	Roof cuffs	15	32s / 66s / 81s / 125s	8	16	EC02831R080-CLNAX000
DN100	DN100	PN16	40	15	Roof cuffs	5	15s / 32s / 39s / 60s	16	16	EC028316100-CJNAX000
DN100	DN100	PN16	63	20	Roof cuffs	5	20s / 43s / 53s / 80s	10	16	EC028316100-CKNAX000
DN100	DN100	PN16	100	25	Roof cuffs	5	25s / 53s / 66s / 100s	8	10	EC028316100-CLNAX000
DN100	DN100	PN16	100	25	Roof cuffs	15	32s / 66s / 81s / 125s	8	16	EC02831R100-CLNAX000
DN100	DN100	PN16	160	30	Roof cuffs	15	38s / 79s / 97s / 150s	3	16	EC02831R100-CMNAX000

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