

ECON® Check valve Type: 497 Bronze Flange PN16

Bronze angle pattern check valve, piston type with bolted cover and flanged ends, pressure class PN10 or 16.

**Characteristics****Type:** 497**Norm:** EN (DIN)**Construction type:** Angle Pattern**Housing material:** Bronze**Material quality:** CC491K [RG5]**Connection:** Flange**Flange finish:** Flat face**Face to Face norm:** Manufacturer standard**With spring:** Yes**Minimum medium temperature (continuous):** -10 °C**Maximum medium temperature (continuous):** 200 °C**Maximum pressure difference at 20 °C:** 16 bar**Application**

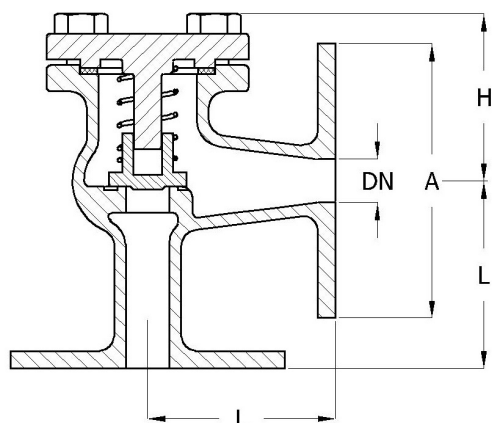
- General Industry
- On board ships (maritime)
- Sea water, hot or cold water.

Technical Information

- Design: EN 16767.
- Testing: EN 12266-1.
- Opening pressure: 0,2 bar.
- Leakage rate: EN 12266-1, class C.

Options

- Available including inspection and certification by all leading Classification societies.
- Available in straight type: 496.

**Size table:**

DN	A mm	H mm	L mm	Weight kg
DN15	95	58	65	2
DN20	105	58	65	2.2
DN25	115	61	70	3.2
DN32	140	72	90	4.4
DN40	150	77	90	6
DN50	165	84	105	8
DN65	185	102	115	12
DN80	200	115	125	16.2

Pressure and temperature range

Size	Pressure rating	120	200	[°C]
DN15 - DN80	PN 16	16	12	[bar]

Nominal inner diameter	Pressure rating	Pressure rating flange	Face to Face length mm	Valve shape	Sealing	Material disc	Material cover	Material cover gasket	Spring material	Article
DN15	PN16	PN10/16	65	Flap	Bronze	CC491K [RG5]	CC491K [RG5]	Graphite	1.4310	14439995
DN20	PN16	PN10/16	65	Flap	Bronze	CC491K [RG5]	CC491K [RG5]	Graphite	1.4310	14439996
DN25	PN16	PN10/16	70	Flap	Bronze	CC491K [RG5]	CC491K [RG5]	Graphite	1.4310	14439997
DN32	PN16	PN10/16	90	Flap	Bronze	CC491K [RG5]	CC491K [RG5]	Graphite	1.4310	14439998

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

Nominal inner diameter	Pressure rating	Pressure rating flange	Face to Face length	Valve shape	Sealing	Material disc	Material cover	Material cover gasket	Spring material	Article
			mm							
DN40	PN16	PN10/16	90	Flap	Bronze	CC491K (RG5)	CC491K (RG5)	Graphite	1.4310	14439999
DN50	PN16	PN10/16	105	Flap	Bronze	CC491K (RG5)	CC491K (RG5)	Graphite	1.4310	14440000
DN65	PN16	PN10/16	115	Flap	Bronze	CC491K (RG5)	CC491K (RG5)	Graphite	1.4310	14440001
DN80	PN16	PN10/16	125	Flap	Bronze	CC491K (RG5)	CC491K (RG5)	Graphite	1.4310	14440002

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.