

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**

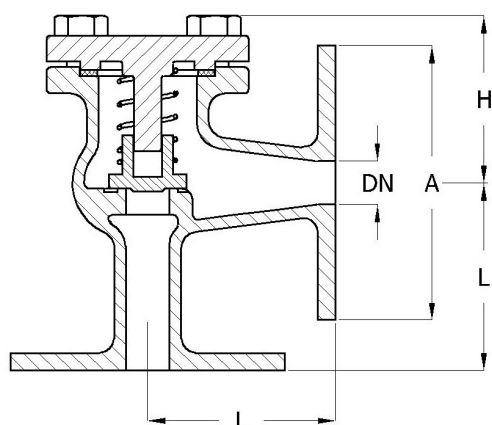
- General Industry
- On board ships (maritime)
- Sea water, hot or cold water.

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

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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

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