

## ECON® Check valve Type: 505 Bronze Internal thread (BSPP) PN16



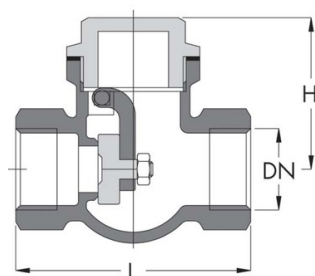
### Characteristics

**Type:** 505  
**Norm:** EN (DIN)  
**Construction type:** Straight  
**Housing material:** Bronze  
**Material quality:** CC491K (RG5)  
**Connection:** Internal thread (BSPP)  
**Face to Face norm:** Manufacturer standard

**Minimum medium temperature (continuous):** -10 °C  
**Maximum pressure difference at 20 °C:** 16 bar

### Application

- Recommended in: Machine Construction



DN	L	H	Kv-value	Min. Opening press. horizontal	Weight
["]	mm	mm		[bar]	[kg]
?	60	39	2	~0	0,3
½	60	40	4	~0	0,4
¾	70	49	7	~0	0,5
1	80	57	10	~0	0,8
1 ¼	95	59	18	~0	1,1
1 ½	105	68	29	~0	1,5
2	129	76	46	~0	2,1
2 ½	160	94	82	~0	4,6
3	184	118		~0	6,9

Figure nr.	Press- and temperature range
Fig. 505BR	16 bar - 120°C / 12 bar - 200°C
Fig. 505TE	16 bar - 120°C / 10 bar - 185°C

Nominal inner diameter	Pressure rating	Face to Face length	Valve shape	Sealing	Material disc	Material cover	Material cover gasket	Material jointed arm	Maximum medium temperature (continuous)	Article
		mm							°C	
3/8" [10]	PN16	60	Swing type	Brass	Brass	Brass	Fiber Gasket	Brass	200	EC0050503/8-BB31
3/8" [10]	PN16	60	Swing type	PTFE	Brass	Brass	Fiber Gasket	Brass	180	EC0050503/8-BT31
1/2" [15]	PN16	60	Swing type	Brass	Brass	Brass	Fiber Gasket	Brass	200	EC0050501/2-BB31
1/2" [15]	PN16	60	Swing type	PTFE	Brass	Brass	Fiber Gasket	Brass	180	EC0050501/2-BT31
3/4" [20]	PN16	70	Swing type	Brass	Brass	Brass	Fiber Gasket	Brass	200	EC0050503/4-BB31
3/4" [20]	PN16	70	Swing type	PTFE	Brass	Brass	Fiber Gasket	Brass	180	EC0050503/4-BT31

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## Non-return Valves | Non-return Valves with Threaded Connection

Nominal inner diameter	Pressure rating	Face to Face length	Valve shape	Sealing	Material disc	Material cover	Material cover gasket	Material jointed arm	Maximum medium temperature (continuous)	Article
		mm							°C	
1" [25]	PN16	80	Swing type	Brass	Brass	Brass	Fiber Gasket	Brass	200	EC005050001-BB31
1" [25]	PN16	80	Swing type	PTFE	Brass	Brass	Fiber Gasket	Brass	180	EC005050001-BT31
1.1/4" [32]	PN16	95	Swing type	Brass	Brass	Brass	Fiber Gasket	Brass	200	EC0050511/4BB31
1.1/2" [40]	PN16	105	Swing type	Brass	Brass	Brass	Fiber Gasket	Brass	200	EC0050511/2BB31
1.1/2" [40]	PN16	105	Swing type	PTFE	Brass	Brass	Fiber Gasket	Brass	180	EC0050511/2BT31
2" [50]	PN16	130	Swing type	PTFE	Brass	Brass	Fiber Gasket	Brass	180	EC00505000-2BT31

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