

CONTROL VALVE FLOAT TYPE BFF

CHARACTERISTICS

Commissioned by the pilot float valve e-FLOAT, the BFF valve allows to cut the supply of a tank when the high level of the tank is reached. This simple solution does not require power. His co-axial design allows us to offer a robust and compact tap. It allows to cut high flow rates. BFF must be protected by an upstream filter installed. Construction cast iron body,

internal brass
sealing NBR. horizontal or vertical mounting upward.



AVAILABLE MODELS

Cast iron body (optional stainless steel) DN50 to DN350
Flanged PN16 RF according to EN 1092-1

LIMITATIONS

PS fluid:	16 bar
TS fluid:	- 10 ° C / + 80 ° C
Minimum inlet pressure:	0.3 bar
fluid:	prohibited use on gas group I

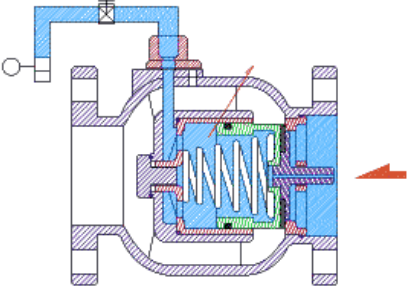
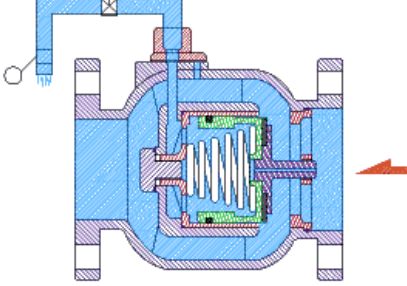


Pilot valve float e-FLOAT


GUIDELINES AND CONSTRUCTION STANDARDS

OBJECT	Standard	OBJECT	Standard
EC pressure directive 97/23	Article 3 § 3	final test	API 598
Dimension flanges	EN 1092-2	material certificate	IN 10204

OPERATION

tap closed	valve open
The float has reached its high position. The pilot valve closes. The fluid is trapped in the pressure chamber and the main valve closes.	The float has not yet reached its high position. The pilot valve allows fluid to pass. The fluid is free in the pressure chamber and the pressure in the main pipe leaves open the tap.
	

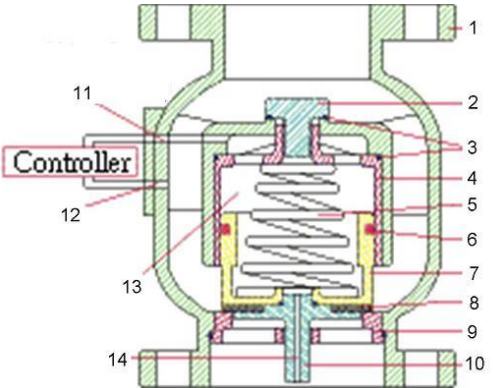
Information provided as an indication and subject to possible changes

	Lauridsen industri Høgevej 9 Denmark, Esbjerg Ø 6705 Tel : +45 75 12 62 74 – M : 45 41 19 26 66 lauridsenindustri.dk /E-mail : Info@lauridsenindustri.dk	Pages	1/3
		Ref.	LI2921
		Rev.	01
		Dated	07/2016

CONTROL VALVE FLOAT TYPE BFF

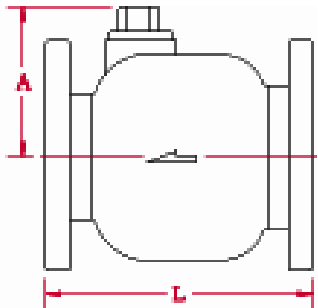
CONSTRUCTION

landmark	Item	Melting	Stainless steel
1	Body	Grey font	stainless steel 1.4408
2	Plug	Brass	stainless steel 316
3	O-rings	NBR	NBR / FPM
4	Cylinder	Bronze	stainless steel 316
5	Spring	Stainless steel	Stainless steel
6	Segment	NBR	NBR / FPM
7	Piston	Bronze	stainless steel 316
8	Scope	NBR	NBR / FPM
9	Seat	Bronze	stainless steel 316
10	Axis	Bronze	stainless steel 316



DIMENSIONS (mm) and weight (kg)


DN	L (mm)	A (mm)	Weight (kg)
50	190	95	12
65	210	100	14
80	225	115	19
100	255	127	26
125	285	150	37
150	315	165	50
200	420	205	94
250	470	240	150
300	530	275	200
350	600	320	280



FACTOR FLOW

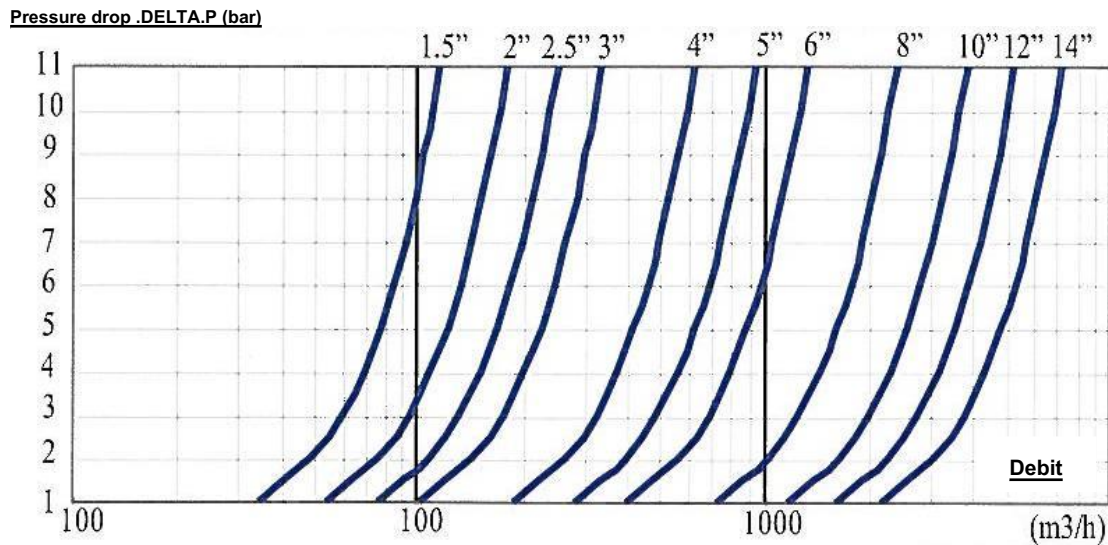
DN	50	65	80	100	125	150	200	250	300	350
inches	2 "	2 " ½	3 "	4 "	5 "	6 "	8 "	10 "	12 "	14 "
Kv (m ³ /h)	65	91	121	225	337	476	865	1387	1903	2595

Information provided as an indication and subject to possible changes

	Lauridsen industri Høgevej 9 Denmark, Esbjerg Ø 6705 Tel : +45 75 12 62 74 – M : 45 41 19 26 66 lauridsenindustri.dk /E-mail : Info@lauridsenindustri.dk	Pages	2/3
		Ref.	LI2921
		Rev.	01
		Dated	07/2016

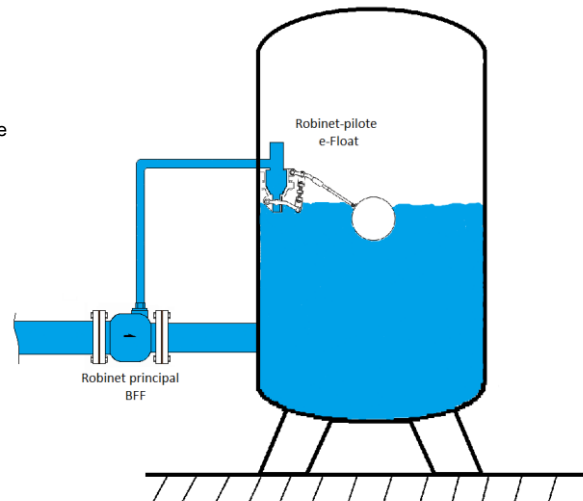
CONTROL VALVE FLOAT TYPE BFF

FACTOR FLOW AND PRESSURE DROP (BAR)



INSTALLATION

Install the faucet preferably outside of the tank, horizontal installation or vertical upward flow. Provide upstream protective filter BFF tap. Observe the mounting direction of the arrow.



INSTALLATION INSTRUCTIONS AND MAINTENANCE


1. Mounting

Before installation, the section upstream and downstream piping, depressurize the pipeline and bringing the installation at room temperature. Installing an upstream filter. Also install a shutoff valve upstream and downstream. Thoroughly clean the piping of any particles or chips by making a rinsing with water or blowing with air. Install faucet BFF respecting the direction of the arrow on the body and take pressure up. Install Driver-tap e-FLOAT on the top level of the tank. Connecting the e-FLOAT pilot valve and BFF valve using a rigid pipe. Purge air from the hose. Open the valves upstream and downstream.

2. Interview

Before working, cut the pipes upstream and downstream using the water gates. Depressurize the pipeline and bringing the installation at room temperature. Disassemble the upstream filter plug and clean or replace the strainer. For a complete tour of the unit, disassemble the parts (1) and (9). Out the axis (10) and the piston (7). Check the condition of the seals (6) and (8). Replace if necessary. Also check the state of the spring (5). Replace it if it is broken. Clean all internal parts. Refit the parts in reverse order of disassembly. Put the appliance slowly opening the upstream valve and the downstream valve.

Information provided as an indication and subject to possible changes

	Lauridsen industri Høgevej 9 Denmark, Esbjerg Ø 6705 Tel : +45 75 12 62 74 – M : 45 41 19 26 66 lauridsenindustri.dk /E-mail : Info@lauridsenindustri.dk	Pages	3/3
		Ref.	LI2921
		Rev.	01
		Dated	07/2016