

## DBSF Liquid Flow Switches

DBSF liquid flow switches have been designed for flow control of water and normal media.

The flow switches are typically used in heating and air conditioning systems, refrigeration systems, heat pumps and monitoring of oil supply.

### Features

- Flow control of water and normal media
- Aggressive media control versions available on request
- 15(8)A 250Vac switch rating
- IP65 class I enclosure
- Models available with pipe T-piece



Model Type	Model	Description		
	<b>DBSF-1K</b>	Liquid Paddle Switch with 4 Paddles 1" to 6"		
	<b>DBSF-3E</b>	Liquid Paddles Switch with 1/2" BSP Pipe T-Piece		
	<b>DBSF-6E</b>	Liquid Paddles Switch with 1" BSP Pipe T-Piece		
Technical Data	Max Pressure	11bar		
	Pipe Connection	DBSF-1K: 1" BSP Male Connector DBSF-3E: 1/2" BSP Female Connector DBSF-6E: 1" BSP Female Connector		
	Switching Capacity	15(8)A 24..250Vac		
	Max Liquid Temp	120°C		
	Paddle Material	Stainless Steel V4AV		
	Housing	Galvanized Steel Plate, ABS Cover		
	Ambient Temperature	-40..+85°C		
	Storage Temperature	-40..+85°C		
	Protection Class	IP65 Class I		
	Dimensions	W113 x L70 x D65 mm (Housing)		
Technical Details	Model	Pipe Connector	Min. Adjustment l/h	Max. Adjustment l/h
	<b>DBSF-3E</b>	1/2" BSP Female	174	846
	<b>DBSF-6E</b>	1" BSP Female	200V	1000

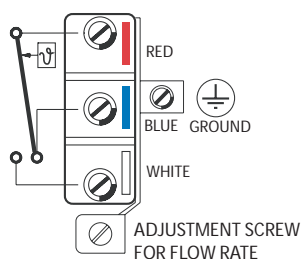
## INSTALLATION

The flow switch may be positioned in every position far from elbows or narrowing, arrow must be oriented downstream. If pipe is vertical, reset range to balance paddle weight. If the device is toward bottom take care of slugs, and apply it in a straight pipe upstream and downstream at least five times the diameter, far from filters, valves, etc.

The flowswitch is set ex factory at its min. sensitivity. To increase the set valve turn clockwise the adjustment screw. The cut-out value must be >- of the minimum necessary flow to guarantee the protection of the plant.

The DBSF-1K will be supplied with 4 paddles, which might be cut according to the pipe. DBSF-3E/6E devices are supplied with T connection.

## WIRING DETAILS



## Dimensions

