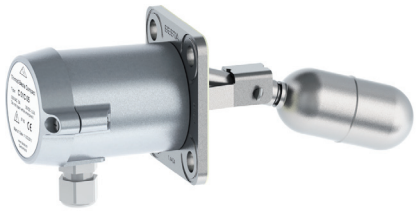
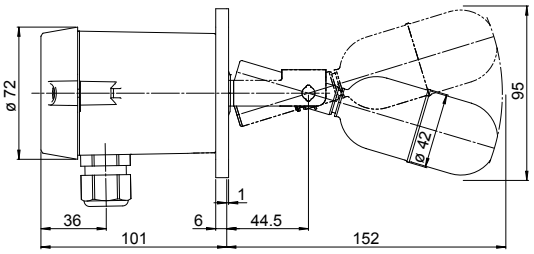
Side mounted switches for high or low alarm duties (incl. gasket)

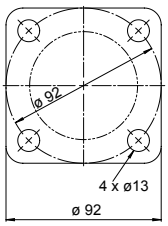


Nominal pressure	PN 10
Operating temperature	0 to 150°C
Ambient temperature	0 to 70°C
Density of the liquid	min. 0.7 kg/dm³
Operating differential	12 mm, fixed
Wetside material	Stainless steel (CrNiMo)
Flange material	Stainless steel (CrNiMo)
Housing material	seawater resistant die cast aluminium
Flange	square 92 x 92 mm, 92 mm PCD
Switch element	Microswitch SPDT with silver contacts
Switch rating	250 VAC, 3 A 30 VDC, 0.5 A
Enclosure	IP65
Weight	approx. 0.9 kg
Cable entry	M20 x 1.5
Safety Integrity Level (SIL)	SIL 1

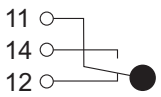


Option: Type DC 01C 05	
Operating temperature	0 to 120°C
Enclosure	IP67

(All other technical data as type C 01C 05)



Flange dimensions



Connection diagram

Certificates
- Material certificates acc. to EN 10204-2.2 & EN10204-3.1
- Test record: hydraulic pressure test and functional tests
- Test records of material tests: X-ray, ultrasonic, charpy, hardness etc.

Quality Assurance
- Besta Ltd. is certified acc. to ISO 9001.

Lloyds Register of Shipping / LRS
- Type Approval Certificate No. 05/20052(E4)

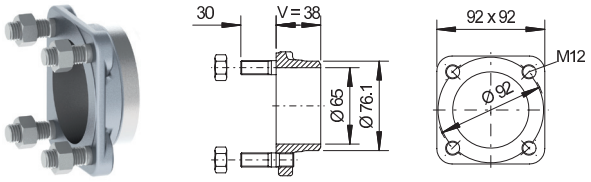
Bachofen AG | Ackerstrasse 42 | CH-8610 Uster | Switzerland
Phone +41 44 944 11 11 | info@trimod.ch | www.trimod.ch

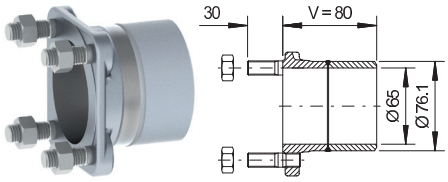
BACHOFEN
Industrial Automation

Counterflange with and without test actuator

The simplest method of installing any Trimod Besta Compact switches is to use our standard weld-on counterflanges. There are two different lengths of counterflanges in P250GH carbon steel or 1.4404 stainless steel, with or without test actuator.
The test actuator allows a periodic manual function check of the level switch in operating status. The function of the switching element and movement of the float can be tested.

Counterflange





Type	Flange length	Flange material	Stud material	Stud length
2829.1	V = 38 mm	P250GH	5.8	30 mm
2831.3	V = 38 mm	1.4404	A2	30 mm

Type	Flange length	Flange material	Stud material	Stud length
2829.1V80	V = 80 mm	P250GH	5.8	30 mm
2831.3V80	V = 80 mm	1.4404	A2	30 mm

Float chambers

For external mounting (bypass) of level switches with a square flange. This type of mounting allows functional checks and servicing without interruption of operation if shut-off and drain valves are available in the supply lines. The float chambers are available in different designs and materials.

Services and Q certifications
- Test report in accordance with EN 10204-2.2
- Inspection certificate in accordance with EN 10204-3.1
- Non destructive testing such as ultrasonic, x-ray, dye penetrant or magnetic particle examination
- Material testing including charpy, tensile and hardness
- Design-examination for PED in accordance with 97/23/EC
- Coatings

We have the following available
- Procedure qualification record: AD 2000-HP2/1
- Approved welders in accordance with: AD 2000 HP3
- Approval for material transfer stamping in accordance with: SVTI 201/507

Chambres standards PN 25

Types:	acc. to float chamber brochure
Process connection:	DN 25, 50 in acc. with DIN, DN 1", 2" in acc. with ANSI
Materials:	Carbon steel, high temperature steel, CrNi steel, CrNiMo steel

Flange facing of process connection:
in acc. with DIN 2526 in acc. with ANSI B16.5

Options:
- Special dimensions
- Vent and drain connection
- Long studs for mounting a test actuator
- Float chambers for low temperature applications
- Float chambers with max. hardness of HRC 22 in accordance with NACE