PRESSURE RELIEF DEVICES / SELECTION

YSF9 Directional

Directional pressure relief with mechanical indication and selected single or dual electrical signals. This packet covers the directional body, not the standard or remote series.

01 Operating and selection data

Parameter	Catalog information
Discharge diameter	80 / 130 mm
Discharge arrangement	Directional discharge
Ambient temperature	-30 to +50 °C
Operating temperature	-30 to +115 °C
Installation positions	Tank cover, raised seat or upper tank side wall
Sealing-pressure selection	Maximum normal tank pressure + 7 kPa must be less than the sealing pressure.

02 Order-code reference

YSF9-55/130DSKJTHB

The 55 kPa opening pressure belongs to this example. Opening, closing and sealing pressures must be confirmed for the ordered configuration; the example is not a universal series rating.

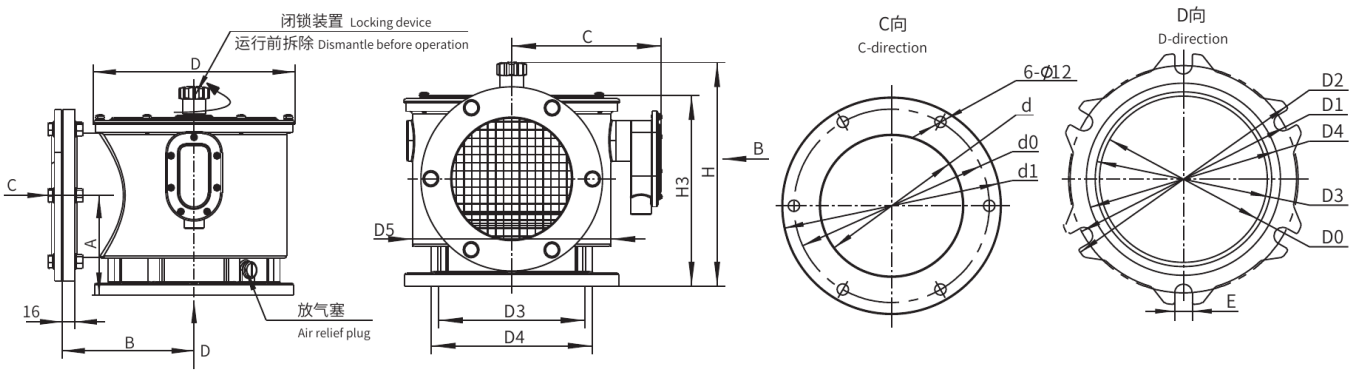
YSF9-80D and YSF9-130D.

Source: printed catalog pages 13-14. This packet applies only to the named series. Match the complete order code, mounting and contact configuration before ordering.

ORIGINAL TECHNICAL DRAWINGS / MECHANICAL

Outline & mounting reference

Original bilingual dimensions and labels. Drawing values are in millimetres.



单位 (units) mm

型号	A	B	C	D	D3	D4	D5	H	H3
YSF9-80D	113	140	145	Φ216	Φ138	Φ151	Φ187.5	255	220
YSF9-130D	131	175	185	Φ268	Φ181	Φ199	Φ246	275	240

单位 (units) mm

型号	D0	D1	D2	d	d0	d1	E
YSF9-80D	Φ122	Φ170	Φ200	Φ100	Φ140	Φ165	14
YSF9-130D	Φ172	Φ235	Φ260	Φ150	Φ200	Φ225	18

The original tables distinguish YSF9-80D and YSF9-130D. Their H values are 255 and 275 mm; D2 values are 200 and 260 mm. Preserve the distinction between upper-case D and lower-case d coordinates.

Drawing note: remove the locking device before operation. Confirm the full installation drawing for the ordered configuration, including mounting clearances and outlet orientation.

ELECTRICAL CONTACTS / SIGNAL CONFIGURATION

Contacts & wiring

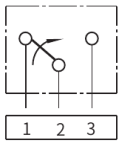
03 Contact capacity

Supply	Voltage	Resistive load	Inductive load
AC	220 V	5 A	3 A (cos phi = 0.4)
DC	220 V	0.3 A	0.05 A (T = 7 ms)

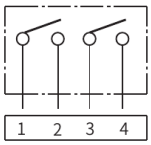
K: three-core. SK: four-core or six-core. Original terminals 1-3, 1-4 and 1-6 remain in their respective diagrams.

产品接线图
Product wiring diagram

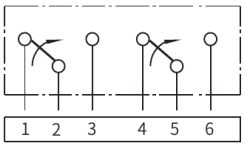
K型三芯
K-type three core



SK型四芯
SK-type four core



SK型六芯
SK-type six core



04 Suffix reference

K: electrical signal. **SK / KK**: dual electrical signals. **J**: mechanical indication. **B**: locking device. **TH / TA / T**: hot-humid / dry-hot / dry and humid tropical conditions. **D**: directional discharge where used in the order code.

Alternative contact diagrams are configuration references, not interchangeable wiring instructions. Match terminal numbering and outlet arrangement to the exact ordered product.