SERIES OVERVIEW / SELECTION

YSF9 Series

Pressure relief devices | 80 mm / 130 mm

Pressure relief for oil-filled transformers, power capacitors and reactors. The valve releases excess tank pressure and closes again when pressure falls to its closing value.



Series reference image

01 Operating conditions

Parameter	Catalog information
Discharge diameter	80 mm or 130 mm
Ambient temperature	-30 to +50 °C
Operating temperature	-30 to +115 °C
Installation positions	Tank cover, raised seat or upper tank side wall
Opening pressure	Specify in the full order code; 85 kPa is the example below, not a universal rating.
Sealing-pressure selection	Maximum normal tank pressure + 7 kPa must be less than the sealing pressure.

02 Order-code example

YSF9-85/130SKJTHB

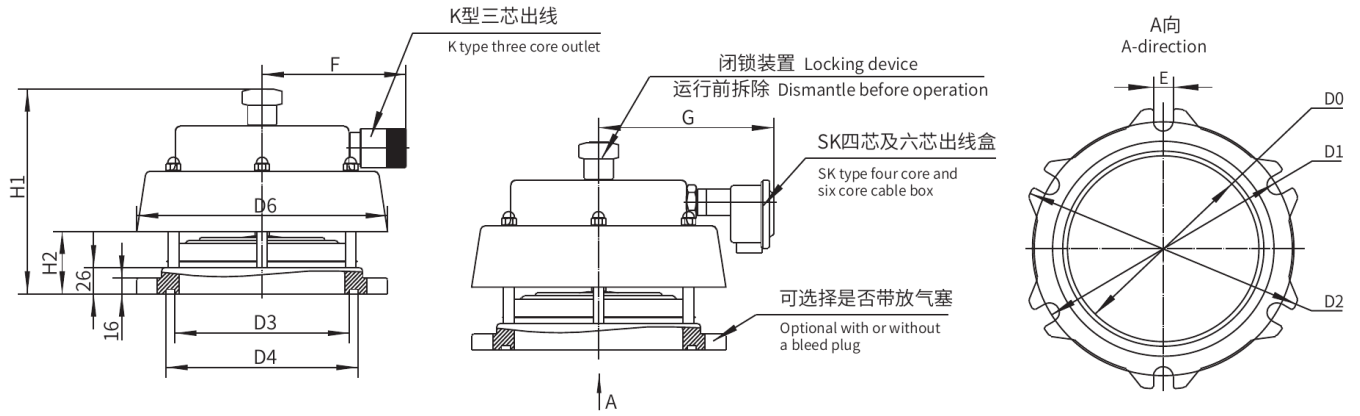
YSF9 series; 85 kPa opening pressure; 130 mm discharge diameter; dual electrical signals (SK); mechanical indication (J); hot and humid conditions (TH); locking device (B).

Scope: standard YSF9 series shown on catalog printed pages 09-10. Directional and remote-monitoring YSF9 variants are separate series. Confirm the full order code before selection.

MECHANICAL / INSTALLATION

Outline & mounting dimensions

Original catalog drawing. All dimensions in the table are in millimetres.



Original bilingual annotations retained to preserve the connection between labels and geometry.

03 Model dimensions

Dimension	YSF9-80K	YSF9-130K
D0 (diameter)	122	172
D1 (diameter)	170	235
D2 (diameter)	200	260
D3 (diameter)	138	181
D4 (diameter)	151	199
D6 (diameter)	200	260
E	14	18
F	128	150
G	158	180
H1	195	204
H2	52	62

Drawing note: remove the locking device before operation. A bleed plug is optional. Use the approved configuration drawing to confirm mounting and clearances.

ELECTRICAL / CONFIGURATION

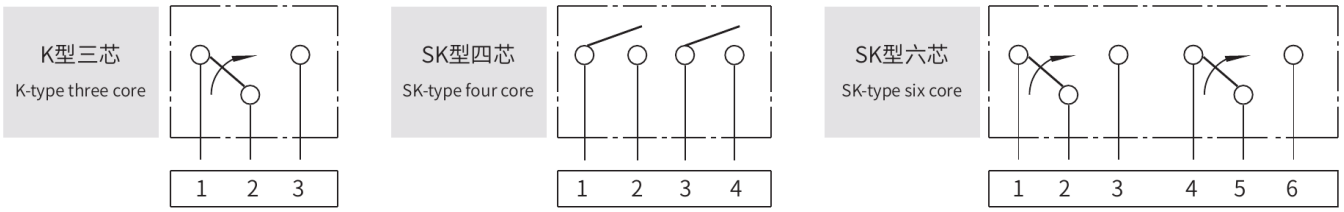
Contacts & wiring

04 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)

05 Catalog wiring configurations

K: three-core outlet. SK: four-core or six-core outlet. Terminal numbers and contact symbols below are retained from the source drawing.



06 Suffix reference

Code	Meaning
K	Electrical signal
SK / KK	Dual electrical signals
J	Mechanical indication
TH / TA / T	Hot-humid / dry-hot / dry and humid tropical conditions
B	Locking device
D	Directional discharge; see the separate directional-series data.

Specify opening pressure, discharge diameter, contact arrangement, outlet type and environmental suffixes with your inquiry. Match the wiring to the ordered configuration.