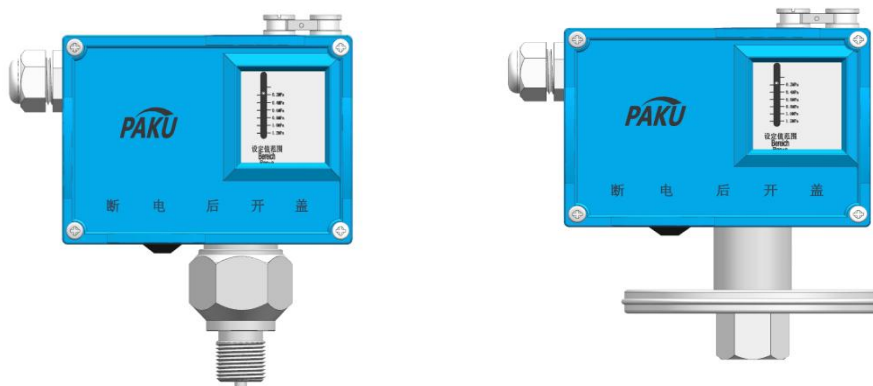
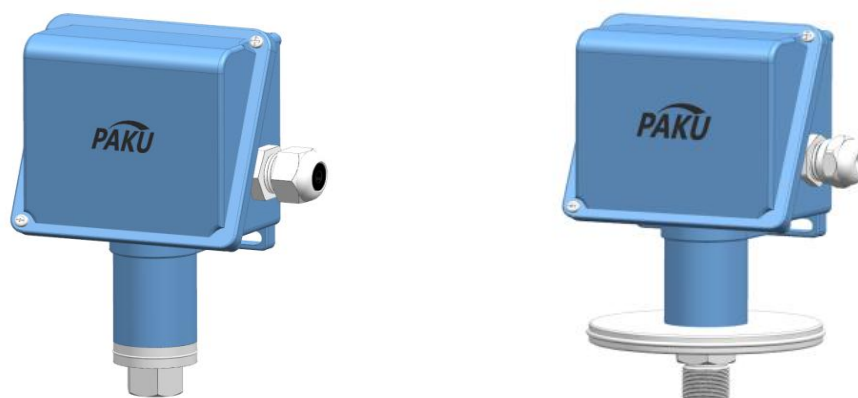


A



B



principle and characteristics

The controller adopts diaphragm type, bellows, pistons and spring tube pressure sensing elements, the common type can be used for corrosion of pressure sensing elements of gas, liquid or steam and other media to achieve automatic control of pressure. The explosion-proof mark of explosion-proof products is Exed11CT6, which can be used for automatic control of pressure in the places of 11 A, 11B, 11C class T1~T6 explosive gas mixture where the gas, liquid or steam media have no corrosive effect on pressure sensing elements. The set value of the controller is adjusted within the range of -0.1~ 40MPa. The working pressure is 1.5 times of the range.

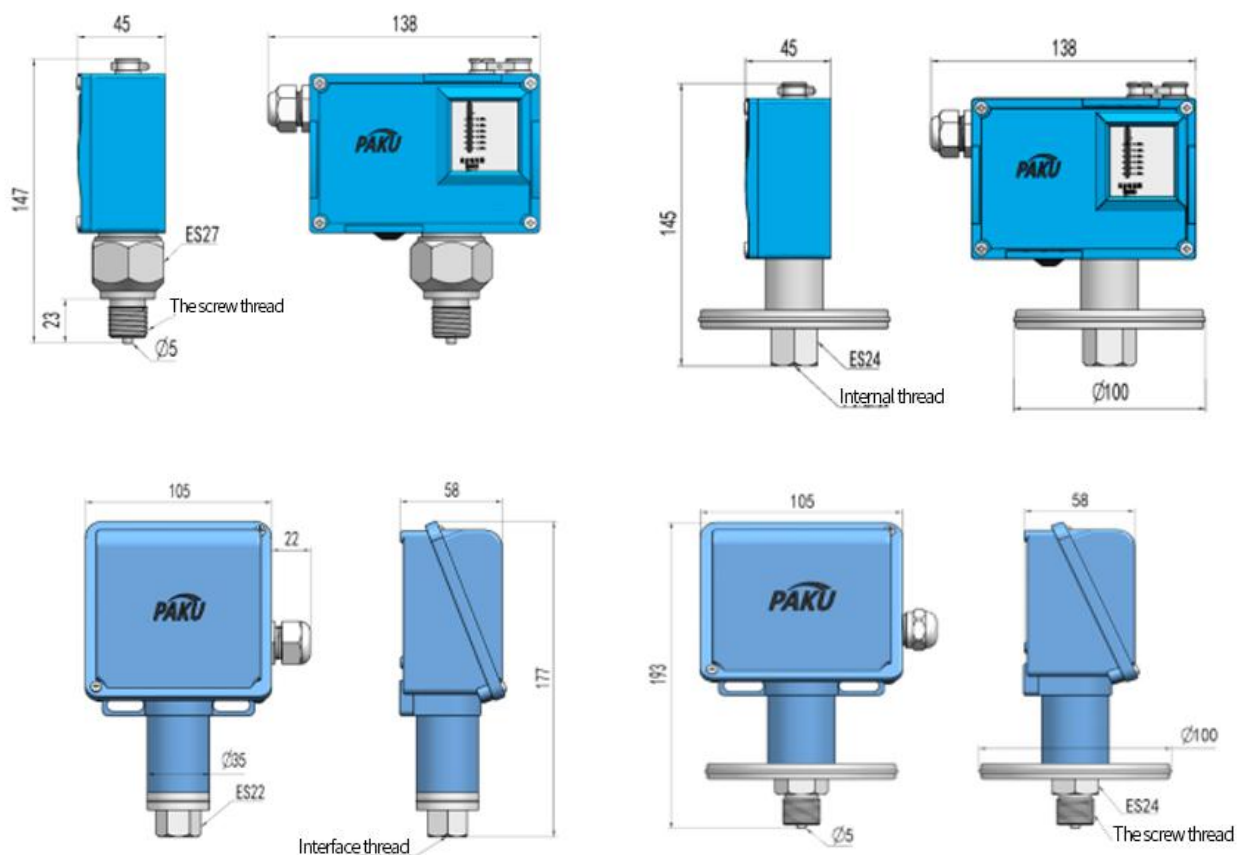
Main Paramete

	Ordinary-sized	explosion proof type
Work viscosity	$\leq 10^{-3} \text{m}^2/\text{s}$	$\leq 10^{-3} \text{m}^2/\text{s}$
switch element	microswitch	microswitch
anti-hazard classification		EXedII CT6
enclosure protection class	IP67	IP67
environment temperature	-25°C...80°C	-25°C...80°C
service life	A 105 - cycle	A 105 - cycle
F-WFS	< Max · 2g	< Max · 2g
rated load	Vmax=380V max=5A	Vmax=380V max=5A
repeatability error	$\leq 1.0\%$	$\leq 1.0\%$

Range table

Range of code	range ability	slow-moving MPa	Switching frequency Times/min	Material
K006	1–6KPa	≤0.004	20	Nitrile butadiene
K010	1–10KPa	≤0.004	20	Nitrile butadiene
K025	1–25KPa	≤0.004	20	Nitrile butadiene
M016	0.006--0.16MPa	≤0.004	20	Nitrilebutadiene rubber /316L
M040	0.01--0.4MPa	≤0.02	20	Nitrilebutadiene rubber /316L
M100	0.02--1.0MPa	≤0.025	20	Nitrilebutadiene rubber /216L
M160	0.05--1.6MPa	≤0.25	20	Nitrilebutadiene rubber /316L
M250	0.05--2.5MPa	≤0.25	20	Nitrilebutadiene rubber /316L
M600	0.35--6MPa	≤0.3	20	Nitrilebutadiene rubber /316L
M1000	0.6--10MPa	≤0.4	20	Nitrilebutadiene rubber /316L
G10(plunger)	1--10MPa	≤0.4	20	304
G16(plunger)	1--16MPa	≤0.5	20	304
G25(plunger)	2--25MPa	≤0.6	20	304
G40(plunger)	2--40MPa	≤0.8	20	304

Dimensions are shown in Figure 1. Type A



Selection table

PN400-	M016C	B	1	1	G2H	X	M2	A	specification
PN400-									PN400 series mechanical pressure switch
A1									Model A with display scale
A2									Model A does not have display scale
B									B
	M016								Range: 0.006–0.16 MPa
	M040								Range: 0.01–0.4 MPa
	M100								Range: 0.02–1.0 MPa
	M...								Please refer to the range table, you can also customize the range
	C								Diaphragm material: 316L
	D								Diaphragm material: NBR
	F								Diaphragm material: 304
		A							anti-explosion
		B							Don't riot
			1						SPDT(single pole and double throw)
			2						DPDT(double pole and double throw) – hysteresis is not adjustable
				1					Hysteresis is not adjustable. Hysteresis: 5%–10%
				2					Hysteresis adjustable, maximum 80%; A minimum of 10%
Connection					G4K				Internal thread of interface: G1/4
					M2H				External thread of interface: M20*1.5
					G2H				External thread of interface: G1/2
					G4H				External thread of interface: G1/4
					N2H				External thread of interface: NPT1/2
					N4H				External thread of interface: NPT1/4
materials						X			304 stainless steel
						XL			316 l stainless steel
electrical interface							M8		port: M18*1.5
							M2		port: M20*1.5
							G2		port: G1/2
							G4		port: G1/4
							N4		port: NPT1/4
							N2		port: NPT1/2
							N3		port: NPT3/4
Table of medium temperature parameters								A	Under 180 °C
								B	Under 450 °C
								C	normal temperature

* Customizable range.

* Customizable thread, H for external thread, K for internal thread.

* The selection table is only available for parameter selection, and the corresponding code is delivered.