

## Pressure controls

### Technical data and ordering

When ordering, please state type and code number



KPS 31, 33



KPS 35, 37, 39



KPS 43, 45, 47

### 1. Pressure controls

Setting range $P_e$ [bar]	Adjustable/ fixed differential [bar]	Permissible operating pressure $P_e$ [bar]	Max. test pressure [bar]	Pressure connection	Code no.	Type
0 - 2.5	0.1	6	6	G 1/4	<b>060-311066</b>	KPS 31
0 - 2.5	0.1	6	6	G 3/8 A	<b>060-310966</b>	KPS 31
0 - 3.5	0.2	10	10	G 1/4	<b>060-310466</b>	KPS 33
0 - 3.5	0.2	10	10	G 3/8 A	<b>060-310366</b>	KPS 33
0 - 8	0.4 - 1.5	12	12	G 1/4	<b>060-310566</b>	KPS 35
0 - 8	0.4 - 1.5	12	12	G 3/8 A	<b>060-310066</b>	KPS 35
0 - 8	0.4	12	12	G 1/4	<b>060-310866</b>	KPS 35
6 - 18	0.85 - 2.5	22	27	G 1/4	<b>060-310666</b>	KPS 37
6 - 18	0.85 - 2.5	22	27	G 3/8 A	<b>060-310166</b>	KPS 37
10 - 35	2.0 - 6	45	53	G 1/4	<b>060-310766</b>	KPS 39
10 - 35	2.0 - 6	45	53	G 3/8 A	<b>060-310266</b>	KPS 39

### 2. Pressure controls for high pressure and strongly pulsating media

Setting range $P_e$ [bar]	Adjustable diff. see also figs. 1, 2, and 3	Permissible overpressure [bar]	Max. test pressure [bar]	Min. burst pressure [bar]	Pressure connection	Code no.	Type
1 - 10	0.7 - 2.8	120	180	240	G 1/4	<b>060-312066</b>	KPS 43
4 - 40	2.2 - 11	120	180	240	G 1/4	<b>060-312166</b>	KPS 45
6 - 60	3.5 - 17	120	180	240	G 1/4	<b>060-312266</b>	KPS 47

### Terminology

#### Range setting

The pressure range within which the unit will give a signal (contact changeover).

The highest pressure the unit may be subjected to when, for example, testing the system for leakage. Therefore, this pressure must not occur as a recurring system pressure.

#### Differential

The difference between make pressure and break pressure (see also fig. 8, page 6).

#### Min. bursting pressure

The pressure which the pressure-sensitive element will withstand without leaking.

#### Permissible overpressure

The highest permanent or recurring pressure the unit can be loaded with.

#### Max. test pressure

