

Bürkert

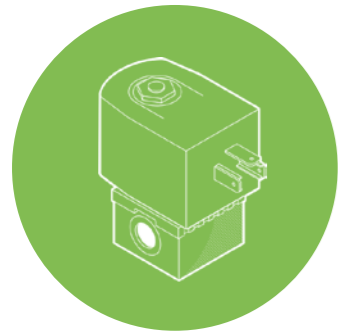
Kick and Drop Technology

Controlling economically and sustainably

Valves with electromagnetic coil systems are widespread in order to automatically control gaseous and liquid media. The current demands are therefore to save as much energy as possible across industries, and to use more sustainable, low-maintenance solutions. Switching pressures and requirements for low noise emissions also come into play. Bürkert is supplying the future-proof answer to these questions with solenoid valves based on the Kick and Drop coil technology.

Bring your industry into the future

Kick and Drop coils are ideal when long duty cycles and high pressures are required, such as for gas or tap water protection valves. They also ensure safe operation in electromagnetically sensitive environments – and anywhere where water containing lime poses a problem.



- COIL TECHNOLOGY REDUCES HEAT
- REDUCE RISK OF CALCIFICATION WITH COOLER RUNNING COIL
- IMPROVED ENERGY CONSUMPTION
- LESS NOISE
- LONGER LIFE CYCLE

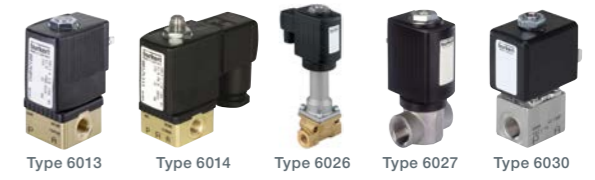
Category	Type	Function	Required Δp	Process Connection	Pressure Range [in MPa]	Media Temperature degrees celsius	Diameter	Body Material			Seal Material Diaphragm Material					Media				Media Separated	Flange version stainless steel	Area of application
								Brass	Stainless steel	Plastic	NBR	EPDM	FKM	PTFE*	FFKM*	Neutral fluids	Contaminated fluids	Aggressive fluids	Natural Gases			
Direct-acting plunger valves	6013	2/2	-	G 1/8 ... 3/8, NPT 1/8 ... 3/8, SFB	0 ... 25 0 ... 2.5	-10 ... +180	2 ... 6	S	S	N	S	A		S	A	x	-	-	x	-	-	■
	6014	3/2	-	G 1/8 ... 1/4, NPT 1/8 ... 1/4, SFB	0 ... 16 0 ... 1.6	-10 ... +120	1.5 ... 3.0	S	S	S	S	A		A	x	-	-	x	-	-	■	
	6027	2/2	-	G 1/4 ... 1/2, NPT 1/4 ... 1/2	0 ... 250 (100) 0 ... 25 (10)	-40 ... +160	1,2 ... 12	S	S	N	N	A	S	S	N	x	-	o	x	-	-	■
	6026	2/2	-	G 1/4 ... 1/2, NPT 1/4 ... 1/2	0 ... 10 0 ... 1	-200 ... +180	6 ... 10	S	S	N	N	N	N	S	N	x	-	x	x	x	-	
Direct-acting pivoted armature valves	0330	2/2 3/2	-	G 1/4, NPT 1/8	0 ... 16 0 ... 1.6	-30 ... +90	2 ... 4	S	S	N	S	A	S	N	A	x	x	x	x	x	-	
	0331	2/2 3/2	-	SFB	0 ... 16 0 ... 1.6	-30 ... +90	2 ... 3	S	S	N	N	A	S	N	N	x	x	x	x	x	-	
	0121	2/2 3/2	-	G 1/4, G 3/8	0 ... 4 0 ... 0.4	-10 ... +90	2 ... 8	N	S	S	N	A	S	N	S	x	x	x	x	x	-	
Direct-acting toggle valves	0131	2/2 3/2	-	G 3/8 ... 1/2	0 ... 3 0 ... 0.3	-30 ... +50	10 ... 25	S	N	S	N	S	S	N	N	x	x	x		x	-	
Servo-assisted piston valves	6240	2/2	-	G 1/4 ... 1/2	0 ... 250 (25/40) 0 ... 25 (2.5/4)	-40 ... +160	6, 12, 13	S	S	N	N	A	S	S	N	x	-	o	x	-	-	●
	5404	2/2	1.0	G 1/2 ... 1 NPT 1/4 ... 2, DIN flange	1 ... 50 0.1 ... 5	-10 ... +180	12 ... 25	S	N	N	S	N	A	S	N	x	-	-	x	-	x	●
	6407	2/2	-	G 1/2 ... 1, DIN flange	0 ... 10 0 ... 1	-20 ... +180	13 ... 25	S	N	N	N	N	N	S	N	x	-	-	x	-	x	●
	6430	3/2	0.5	G 1/4 ... 1 1/2	0.5 ... 16 0.05 ... 1.6	0 ... +90	8 ... 40	S	N	N	S	N	N	N	N	x	-	-	x	(Pilot)	-	
Direct-acting toggle valves	6213EV	2/2	- (HP00)	G 1/4 ... 2, NPT 3/8 ... 1	0 ... 10 0 ... 1	-30 ... +120	10 ... 40	S	S	N	S	S	S	N	N	x	-	-	x	-	-	▲
	6281EV	2/2	0.5	G 3/8 ... 2, NPT 1/2 ... 1	0.2 ... 16 0.02 ... 1.6	-30 ... +120	10 ... 50	S	S	N	S	S	S	N	N	x	-	-	x	-	-	▲
	0290	2/2	-	G 1/2 ... 2, NPT 1/2 ... 2 1/2, DIN flange	0 ... 16 0 ... 1.6	-30 ... +120	12 ... 50	S	S	N	S	S	S	N	N	x	-	-	x	-	x	▲
	5282	2/2	0.2	G 1/2 ... 2 1/2, DIN flange	0.2 ... 16 0.02 ... 1.6	-30 ... +120	13 ... 50	S	S	S1	S	S	S	N	N	x	x	x	x	(Pilot)	x	▲

S = Standard | A = On request | N = Not available | 1 = plastic version: Type 0142 | 2 = only as seat seal | 3 = only as seat seal and DN 2.0 | 4 = only up to 2.0
 * only as seal material | ** To reduce power consumption in operation coils with "Kick and Drop" (KD) electronics (double coil technology) are available.
 x = suitable/yes | o = partially suitable | - = not suitable/no | PIC = Push-in connection | SFB= Specific flange Bürkert
 ■ Universal for gases + fluids
 ● Gas and /or steam applications
 ▲ Suitable for water applications

Which coil is suitable for your application?

DIRECT ACTING

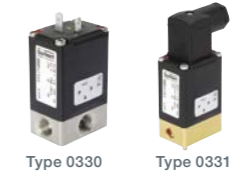
Plunger valves
 • Types 6013, 6014
 • Types 6026, 6027
 • Type 6030



Rocker arm valves
 • Types 0121, 0131



Pivoted armature valves
 • Types 0330, 0331



SERVO ASSISTED

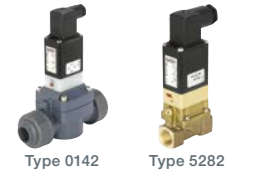
With media separation

Pilot valve
 • Pivoted armature Type 0331



Differential pressure required

Diaphragm valves
 • Types 0142, 5282



Piston valve
 • Type 6430



Diaphragm valves
 • Types 6281, 0287

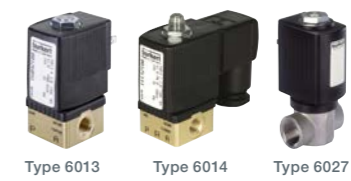


Piston valves
 • Type 5404, 6407, 6518, 6519



Without media separation

Pilot valve
 • Plunger valve Types 6013, 6014
 • Plunger valve Type 6027



Differential pressure required



Differential pressure not required

Diaphragm valves
 • Types 0290, 6213



Piston valves
 • Type 6240, 6440



Reduce your annual energy bill

The **Kick and Drop** coil enable impressive energy savings, compared to typical coils: it reduces energy consumption by up to 80%. At the same time, solenoid valves with this technology enable three times the switching pressure of conventional valves. Our portfolio includes three coil variants with different power ranges to suit your application.



AC10 Kick and Drop

Saving power with
Kick and Drop technology

- 0.6 W instead of 12 W
- 2 W instead of 20 W
- 7 W instead of 65 W



AC19 Kick and Drop

Saving power with
Kick and Drop technology

- 8.5 W instead of 85 W
- 6.5 W instead of 44 W



ACP Kick and Drop

Saving power with
Kick and Drop technology

- 3 W instead of 45 W



**We
make
ideas
flow.**

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