

0166

Diaphragm pressure switches 42 V

- Zinc-plated steel body (CrVI-free)
- With spade terminals
- Overpressure safe up to 4,350psi (300 bar) ¹⁾



info@suco-tech.com
800 - 473 - 7313
www.suco-tech.com



0166 Diaphragm pressure switches with spade terminals

Adjustment range in psi (bar) (tolerance at room temperature)	Thread	Normally open (no) → :	Normally closed (nc) → :
1.45 – 14.5 ± 2.90psi (0.1 – 1 ± 0.2 bar)	M 10x1 taper	0166 403 01 009	0166 404 01 013
	1/4" BSPP	0166 403 03 011	0166 404 03 015
	1/8" NPT	0166 403 04 012	0166 404 04 016
	1/4" NPT	0166 403 09 345	0166 404 09 346
	7/16 – 20 UNF	0166 403 20 305	0166 404 20 307
	9/16 – 18 UNF	0166 403 21 306	0166 404 21 308
14.5 – 145 ± 7.25psi (1 – 10 ± 0.5 bar)	M 10x1 taper	0166 407 01 025	0166 408 01 029
	1/4" BSPP	0166 407 03 027	0166 408 03 031
	1/8" NPT	0166 407 04 028	0166 408 04 032
	1/4" NPT	0166 407 09 349	0166 408 09 350
	7/16 – 20 UNF	0166 407 20 313	0166 408 20 315
	9/16 – 18 UNF	0166 407 21 314	0166 408 21 316
145 – 290 ± 14.50psi (10 – 20 ± 1 bar)	M 10x1 taper	0166 411 01 041	0166 412 01 045
	1/4" BSPP	0166 411 03 043	0166 412 03 047
	1/8" NPT	0166 411 04 044	0166 412 04 048
	1/4" NPT	0166 411 09 353	0166 412 09 354
	7/16 – 20 UNF	0166 411 20 321	0166 412 20 323
	9/16 – 18 UNF	0166 411 21 322	0166 412 21 324
290 – 725 ± 29.0psi (20 – 50 ± 2 bar)	M 10x1 taper	0166 415 01 057	0166 416 01 061
	1/4" BSPP	0166 415 03 059	0166 416 03 063
	1/8" NPT	0166 415 04 060	0166 416 04 064
	1/4" NPT	0166 415 09 357	0166 416 09 358
	7/16 – 20 UNF	0166 415 20 329	0166 416 20 331
	9/16 – 18 UNF	0166 415 21 330	0166 416 21 332

Diaphragm material – areas of application

NBR (BunaN)	Hydraulic / machine oil, heating oil, air, nitrogen etc.	1
EPDM	Brake fluid, ozone, acetylene, hydrogen etc.	2
FKM (Viton®)	Hydraulic fluids (HFA, HFB, HFD), petrol/gasoline etc.	3

See page 16 for temperature ranges of diaphragm / seal materials

Order number: 0166 -XXX XX-X-XXX

With male thread



- All pressure switches can be factory preset upon request.
- Ready-wired versions can be found starting on page 38-41.
- We offer other body materials and connecting threads upon request.
- Other diaphragm materials are available on request, e.g. HNBR or silicone.



Accessories see page 17

¹⁾ Static pressure, dynamic pressures should be 30 to 50% lower. These values refer to the hydraulic or pneumatic part of the pressure switch.

0166

Diaphragm pressure switches 42 V



- Zinc-plated steel body (CrVI-free)
- With M3 screw terminals
- Overpressure safe up to 4,350psi (300 bar)¹⁾

With male thread

(all measurements in mm)



- All pressure switches can be factory preset upon request.
- We offer other body materials and connecting threads upon request.
- Other diaphragm materials are available on request, e.g. HNBR or silicone.

0166 Diaphragm pressure switches with screw terminals

Adjustment range in psi (bar) (tolerance at room temperature)	Thread	SPST-NO (normally open) → :				SPST-NC (normally closed) → :			
14.5 – 14.5 ± 2.90psi (0.1 – 1 ± 0.2 bar)	M 10x1 taper	0166	401	01	001	0166	402	01	005
	1/4" BSPP	0166	401	03	003	0166	402	03	007
	1/8" NPT	0166	401	04	004	0166	402	04	008
	1/4" NPT	0166	401	09	343	0166	402	09	344
	7/16 – 20 UNF	0166	401	20	301	0166	402	20	303
14.5 – 145 ± 7.25psi (1 – 10 ± 0.5 bar)	9/16 – 18 UNF	0166	401	21	302	0166	402	21	304
	M 10x1 taper	0166	405	01	017	0166	406	01	021
	1/4" BSPP	0166	405	03	019	0166	406	03	023
	1/8" NPT	0166	405	04	020	0166	406	04	024
	1/4" NPT	0166	405	09	347	0166	406	09	348
145 – 290 ± 14.50psi (10 – 20 ± 1 bar)	7/16 – 20 UNF	0166	405	20	309	0166	406	20	311
	9/16 – 18 UNF	0166	405	21	310	0166	406	21	312
	M 10x1 taper	0166	409	01	033	0166	410	01	037
	1/4" BSPP	0166	409	03	035	0166	410	03	039
	1/8" NPT	0166	409	04	036	0166	410	04	040
290 – 725 ± 29.0psi (20 – 50 ± 2 bar)	1/4" NPT	0166	409	09	351	0166	410	09	352
	7/16 – 20 UNF	0166	409	20	317	0166	410	20	319
	9/16 – 18 UNF	0166	409	21	318	0166	410	21	320
	M 10x1 taper	0166	413	01	049	0166	414	01	053
	1/4" BSPP	0166	413	03	051	0166	414	03	055
290 – 725 ± 29.0psi (20 – 50 ± 2 bar)	1/8" NPT	0166	413	04	052	0166	414	04	056
	1/4" NPT	0166	413	09	355	0166	414	09	356
	7/16 – 20 UNF	0166	413	20	325	0166	414	20	327
	9/16 – 18 UNF	0166	413	21	326	0166	414	21	328

Diaphragm material – areas of application

NBR (BunaN)	Hydraulic / machine oil, heating oil, air, nitrogen etc.	1
EPDM	Brake fluid, ozone, acetylene, hydrogen etc.	2
FKM (Viton®)	Hydraulic fluids (HFA, HFB, HFD), petrol/gasoline etc.	3

See page 16 for temperature ranges of diaphragm / seal materials

Order number:	0166 - XXX XX - X - XXX
----------------------	--------------------------------



Accessories see page 17

¹⁾ Static pressure, dynamic pressures should be 30 to 50% lower. These values refer to the hydraulic or pneumatic part of the pressure switch.