



W-Series

VACUUM

BETA products are manufactured in The Netherlands

Enclosures:

Cast Aluminum: Oven baked powder coating hammertone grey

Also available in SS 316

Wheaterproof IP 66 -EN 60529

(Nema 4X)

Repeatablity: typical 0.2% of Full Scale

Standard unit: Barg

Optional: PSI / Kg / Pa

Standard process connetion: 1/4" NPT F or BSP F

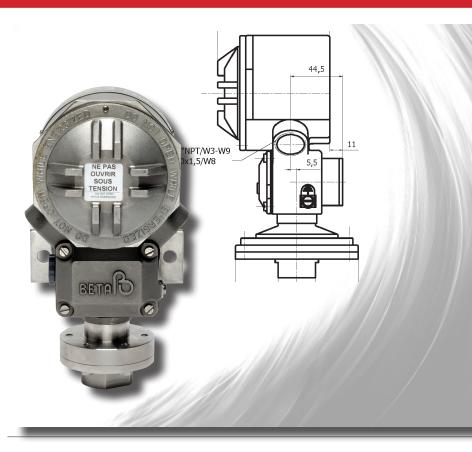
Standard Diaghragm/O-ring: Buna N / Buna N

For wetted parts: more possibilities available, see full catalogue

BETA SWITCHES ARE, BUILD TO LAST!

Do you want to know more:

Please contact your local dealer and ask for the General Bulletin. Or contact us directly!



Ranges for Vacuum swiches

RANGE	ADJUSTABLE RANGE 1) (INCR. VAC. TO PRESS.)		MAX. DEADBAND (VAC. / PRESS.)		MAX. VACUUM		MAX. OVERRANGE PRESSURE		PROOF PRESSURE	
CODE		Bar / mBar	mB	ar	Bar /	mBar	В	ar	Bi	ar
V 301 L ²)	-10 to -3	mBar	1	mBar	-500	mBar	+10	Bar	+15	Bar
V 304 L	-60/0/+150	mBar	4/4/6.5	mBar	-500	mBar	+30	Bar	+35	Bar
V 404 M	-400/0/+400	mBar	16/16/25	mBar			+125	Bar	+140	Bar
V 406 M	-980/0/+1000	mBar	30/30/40	mBar	-1	Bar	+125	Ddi	+140	Dai
V 506 H	-1/0/+6	Bar	80/80/25	mBar			+200	Bar	+600	Bar

¹) For setpoint around zero bar gauge, consult factory.

²) Only available with L1 -microswitch element. K1 possible consult factory).



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More Short Form Data Sheets on Vacuum, Differential and Temperature Switches are available.





Making the modelcode: Follow steps 1 to 5

W-Series

Selection of enclosure type.

Conduit	Material	Enclosure code
3/4" NPT F	Aluminium	W3
M20x1.5	SS 316	W8
3/4" NPT F	SS 316	W9

Selection of range code, see front page

Selection of process connection.

Size	Material	Code		
1/4"NPT F	Aluminium *	A1N		
1/2"NPT F	Aluminium *	A2N		
1/4"NPT F	SS316	S1N		
1/2"NPT F	SS316	S2N		
1/2"NPT M SS316 S7N				
Process conn. size max. 1/2" Piston & Spring (both wetted) standard in SS 316.				

Above standard process connections are also available in:"BSP" For example: 1/2" BSP F (3316) = S2B

Process connections are also available in other materials like, Monel, PVC, Hastolley, Titanium etc.

Selection of wetted parts

Diaphragm	O-ring	Code
Buna N	Buna N	B1
Viton	Viton	V2
SS316	Buna N	S1
SS316	Viton	S 2
SS316	Neoprene	\$3
SS316	EPDM	S 6
Tantalum	Buna N	T1

WETTED PARTS ARE NOT GUARANTEED, against corrosion or permeation since processes vary from plant to plant and concentration of harmful fluids, gasses or solids vary from time to time in a given process. Empirical experience by users should be the final guide and alternate materiale based on this are generally available.

materials based on this are generally available. The diaphragm / O-Ring combinations are for process temperatures of -5°C to +90°C, unless otherwise indicated. For process temperatures beyond these limits please contact your BETA Switch Representative

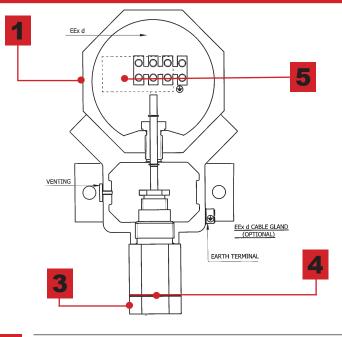
Accessoires:

2" Pipe mount bracket set available.

Contents: 1 2 x Bracket + 2 2 x bolts M8 x 100 mm + nut

Disclaimer :

This pipe mount bracket is solely intended for use in combination with BETA Pressure & Temperature Switches. Foundation vibrations, as well as process vibrations, can disturb the proper functioning of the mounted nstrument, the use of this bracket does not prevent or diminishes such occurrence.



Selection of microswitches

Rat	ing	Use:	Switch ¹⁾ Code:	
VAC.	VDC. 3)	036.		
480/ 15A	28/ 0.5A	Standard	K1 2)	
480/ 10A	28/ 0.5A	Standaard for L-serie	L1 ²⁾	
480/ 15A	125/ 0.5A	Normal DC-service	U1 ^{1) 2)}	
125/ 1A	28/ 0.5A	For use in H ₂ S environment	G1 **	
250/ 0.1A	30/ 0.1A	and/or ³) for (EEx)i applications.	Y1 1)	
250/ 0.1A	30/ 0.1A		O1 1)	
250/ 2A	30/ 2A	Environmental proof(IP 67)	N1 1)	

1) For D.P.D.T action, second code figure schould be specifeid as "2" For example: Y1 = S.P.D.T./ Y2 = D.P.D.T

- 2) VDE certified acc. to DIN EN 61 058-1:1992+A1:1993.
- 3) Indicated ratings are for resistive DC load only.
- ** DC Rating not U.L. listed, although experience and third party testing confirm the D.C Voltage ratings. Consult your local BETA switch Representative.

Selection of options

Description	Option code
Cable gland	С
Stainless steel tag key ringed to enclosure (Tag has 2 lines - 16 charaters per line)	S
Epoxy coating of switch. (External) Only in combination SS 316 process connection	Y

Doc. no.: SP 412/13/07/5K-(FC)