Swivel Lever, Limit Valve

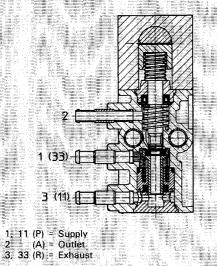
Type RW/O-3-PK-3



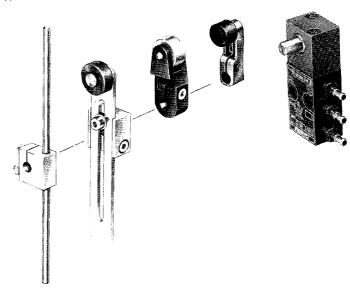
This valve is mechanically operated by a cam attached to the lever arm.

Depending on the connections, the valve functions as "normally closed" (1, blocked, 2 - 3 exhausted) or "normally open" (11 → 2, 33 blocked).

Type RW/O-3-PK-3



Type ASS-02 ASL-02 ASK-02 ASK-01



RW/O-3-PK-3

Additional Actuators:

(Order separately)

Swivel Lever (short)

Type ASK-01 ASK-02

Swivel Lever (long)

Type ASL-02

Swivel Rod

Type ASS-02

NOTE:

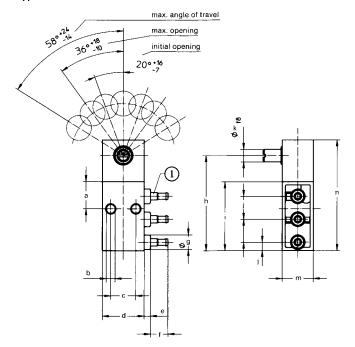
With the ASL-02 or ASS-02 at full extension, the arm's momentum, when released, may carry it past the zero position and cause a signal.

Order Number	10750 RW/Q-3-PK-3	13248 ASK-01	5835 ASK-02	5836 ASL-02	4789 ASS-02		
Medium		Compressed air (filtered, lubricated, or unlubricated)					
Design	Poppet valve, dire	Poppet valve, directly actuated, with spring return					
Mounting	Through holes in	Through holes in housing					
Connection	Barbed fittings for	Barbed fittings for 3/16 in* / 3 mm tubing					
Orifice Size	0.10 in / 2.5 mm	0.10 in / 2.5 mm					
C _V Factor (P → A)	0.08 C _v / 80 I/m	0.08 C _V / 80 I/min					
Pressure Range	0 to 120 psi / 0 to	0 to 120 psi / 0 to 8 bar					
Operating Force at 90 psi / 6 bar	2.92 lbf / 13 N, N	2.92 lbf / 13 N, Normally open: 3.60 lbf / 16 N					
Temperature Range	+14 to 140°F / -1	+14 to 140°F / -10 to +60°C					
Material	Housing: Polymer Seals: Buna N	Diecast zinc	AI, steel				
Weight	0 088 lb / 0 040 kg	0 044 lb / 0.020 kg	0 066 lb / 0 030 kg	0 077 lb / 0 035 kg	0 066 lb / 0 030 kg		

^{*} Approximate equivalent.



Type RW / 0-3-PK-3



- ① Barbed fitting for 3/16 in* / 3 mm
- * Approximate equivalent.

Dimensions

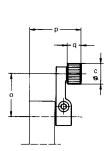
а	0.51 in / 13 mm	n	2.09 in / 53 mm
b	0.17 in / 4.3 mm	О	0.98 in \angle 25 mm
С	0.47 in / 12 mm	р	1.18 in / 30 mm
d	0.79 in / 20 mm	q	0.31 in / 8 mm
е	0.12 in / 3 mm	r	0.91 in / 23 mm
f	0.33 in / 8.5 mm	s	0.67 in / 17 mm
g	0.28 in / 7 mm	t	1.26 in / 32 mm
h	1.79 in / 45.5 mm	u	0.71 in / 18 mm
i	1.30 in / 33 mm	v	0.98 to 3.35 in /
İ	0.43 in / 11 mm		25 to 85 mm
k	0.24 in / 6 mm	w	0.83 in / 21 mm
1	0.16 in / 4 mm	x	1.18 to 5.51 in /
m	0.59 in / 15 mm		30 to 140 mm

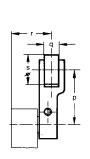
Type ASK-01

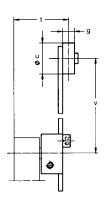
Type ASK-02

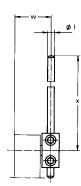
Type ASL-02

Type ASS-02

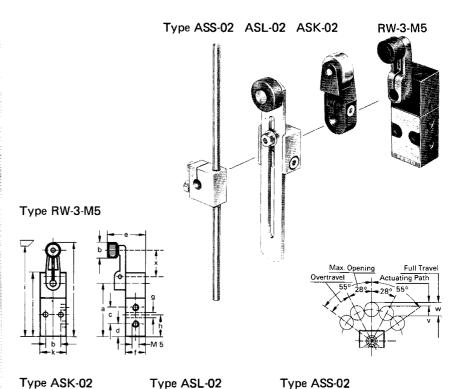


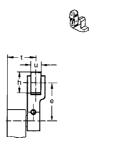


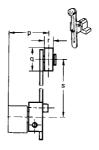




Swivel Lever Limit Valve **Normally Closed** Type RW-3-M5 The valve is mechanically operated by a cam attached to the lever arms. **Additional Actuators:** Swivel Lever, for Limit Valve Type ASK-02 Swivel Lever, Adjustable, for Limit Valve Type ASL-02 Swivel Lever, Rod, for Limit Valve Type ASS-02 NOTE With the ASL-02 or ASS-02 at full extension, the arm's momentum when released may carry it past the zero position and cause a signal.









Dimensions

- 1.65 in / 42 mm 0.47 in / 12 mm 0.51 in / 13 mm
- 0.31 in / 10 mm 1.18 in / 30 mm
- 0.59 in / 15 mm 1.70 in / 43 mm
- 0.67 in / 17 mm 2.78 in / 70.5 mm
- 1.97 in / 50 mm 0.79 in / 20 mm 2.90 in / 73.5 mm
- m 0.83 in / 21 mm n 0.16 in / 4 mm
- 1.18 to 5.51 in / 30 to 140 mm
- 1.26 in / 32 mm 0.71 in / 18 mm
- 0.28 in / 7 mm 0.99 to 3.35 in /
- 25 to 85 mm 0.91 in / 23 mm
- 0.32 in / 8 mm
- 0.12 in / 3 mm 0.42 in / 10.6 mm
- x 1 in / 25.5 mm

Order Number Valve	4031 RW-3 M5 (2014) or an arrange of the control of		
Actuators and a second and a se	5835 ASK-02 5836 ASL-02 4789 ASS-02		
Medium	Compressed air (filtered, lubricated or unlubricated) can be used for vacuum		
Mounting	Two holes through housing		
Connection	M5		
Orifice Size	0.079 in / 2 mm		
C _V Factor	0.08 C _V / 80 I/min		
Pressure Range	28.5 in Hg-120 psi / -0.95-8 bar		
Operating Force at 90 psi / 6 bar Supply*	1.8 lbf / 8 N —		
Design	Seat valve, directly actuated, with spring return		
Material	Housing. Al, blue ano- dized. Seals: Buna N		
Weight	0.143 lb / 0.065 kg		

^{* 14} to 140°F / -10 to +60°C temperature range of medium

Accessories: (Order separately)

Order No. 9634 HV-M5 See page 790.

Example: Type RW-3-M5

1 (P) = Supply (or vacuum) 2 (A) = Outlet

3 (R) = Exhaust

Bracket



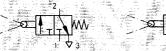
Swivel Lever, Limit Valve

Spring Return

Type RW/0-3-1/8

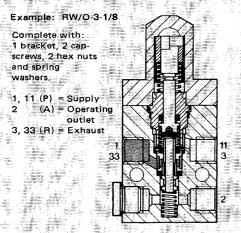
Corrosion-and Acid-Resistant Design

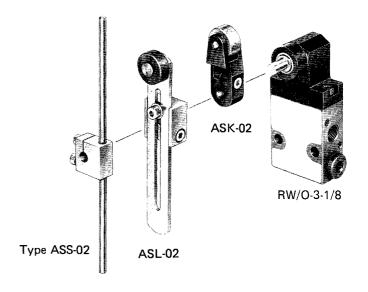
Type RW/O=3-1/8-S9



Depending on the selection of ports, the valve, when idle, is normally closed (P₁ blocked, A exhausted to R₁) or normally open (P₂ connected to A, R₂ blocked).

The valve is actuated mechanically by a cam. By reversing two parts in the switchhead, various actuation points may be obtained (see page 804.)





Accessories:

(Order separately) Mounting Bracket

Order No. 9635 HV-1/8

Actuators: (Order Separately)

Swivel Lever, for Limit Valve

Type ASK-02

Ò.B.

Corrosion-and Acid-Resistant Design

Type ASK-02-S9

<u>्रेक्</u>

Swivel Lever, Adjustable, for Limit Valve Type ASL-02

Swivel Lever, Rod, for Limit Valve

Type ASS-02

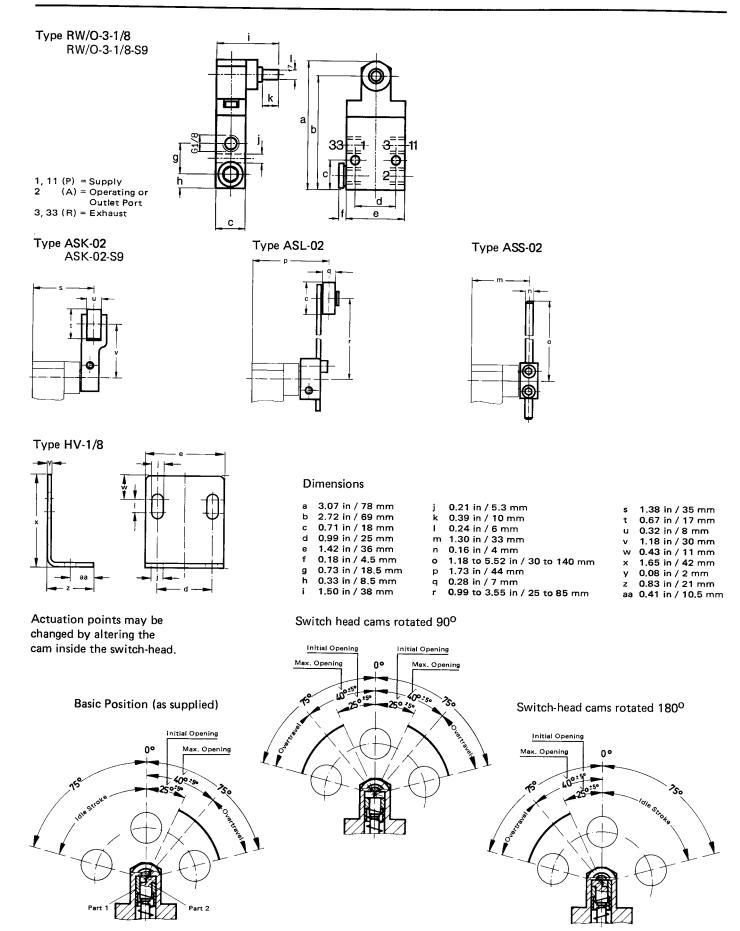
<u>ا</u>

Order Number	Valve	4	937 RW/	0-3-1/8	DO S ON T OF T	99.00 20	
	1	0062 RW	/O-3-1/8-S9			1.4.4	
	Actuators	9880	Principle (Communication Communication Commu		5835 ASK-02	5836 ASL-02	4789 ASS-02
	Type S9 Actuat	or -			10077 ASK-02-S	9	
Medium		(Compressed air or vacuum† (filtered, lubricated or unlubricated)				
Mounting		7	Two holes through housing				
Connection			G 1/8 ISO				
Orifice Size		_ 0	0.14 in / 3.5 mm				
C _V Factor (P → A)		0	0.14 C _V / 140 l/min				
Pressure Range		2	28.5 in Hg to 120 psi / -0.95 to +8 bar				
Operating Force at 90 psi / 6 bar Supply*	/ M	in – ax –		<u>-</u>	_ 1.57 lbf / 7 N	**	**
Design			eat valve,	directly actu	ctuated, with spring return		
Material			Housing: Al, blue Al, steel anodized. Seals: Buna N				
	Type S9	l- s	lousing: 30 teel Seals: I	4 Stainless Buna N	304 Stainless steel	_	_
Weight			.331 lb / .150 kg		0.066 lb / 0.030 kg	0.007 lb / 0.035 kg	0.066 lb / 0.030 kg
	Type S9		.661 lb / .300 kg		0.132 lb / 0.060 kg	_	

^{* 14} to 140°F / -10 to +60°C

** Depends on the travel distance.

[†] Vacuum connection at P1 or P2







Type RWN/0-3-1/8-B

with installation dimensions and switching point as per DIN 43 694

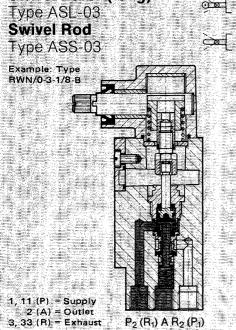


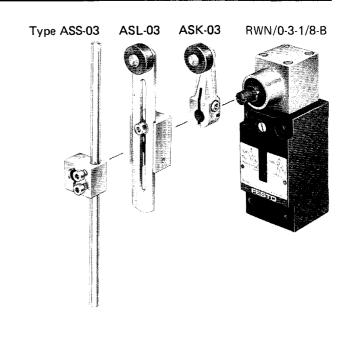
Depending on the selection of ports, this valve may have either of the following functions: No flow when normally closed (P1 closed, A exhausted to R1) or normally open when not actuated ($P_2 \rightarrow A, R_2$ closed).

Valve Actuators: (Order separately)

Swivel Lever (short) Type ASK-03

Swivel Lever (long)

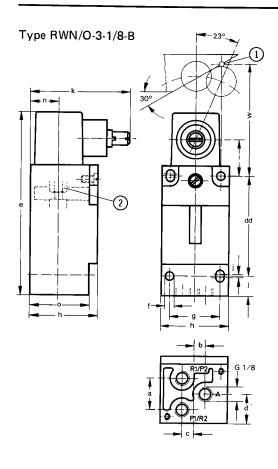




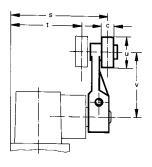
Order Number Valve	9694 RWN/O-3 1/8-B		
Actuators	5838 ASK-03 5839 ASL-03 5840 ASS-03		
Medium	Compressed air (filtered, lubricated or unlubricated), can be used for vacuum*		
Mounting	Four holes through housing		
Connection	G 1/8 ISO		
Orifice Size	0.14 in / 3.5 mm		
C _v Factor	0.12 C _V / 120 I/min		
Pressure Range	28.5 in Hg to 120 psi / -0.95 to 8 bar		
Operating Force at 90 psi / 6 Bar Supply** Min Max	0.90 lbf / 4 N 0.45 lbf / 2 N - 1.69 lbf / 7.5 N 2.9 lbf / 13 N 2.9 lbf / 13 N		
Design	Seat valve, directly actuated, with spring return		
Material Housing Seals	Al, anodized Al, steel Al,		
Weight	0.992 lb / 0.066 lb / 0.143 lb / 0.077 lb / 0.450 kg 0.030 kg 0.065 kg 0.035 kg		

Vacuum connected to P1 or P2

^{** 14} to 140°F / -10 to +60°C



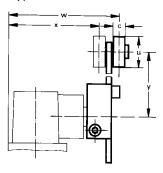
Type ASK-03



The actuating head can be rotated in 90° increments.

- ① Switching point as per DIN 43 694
- 2 Adjusting screw for point of actuation

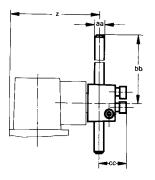
Type ASL-03



Dimensions

0.75 in / 19 mm 0.36 in / 6.5 mm 0.28 in / 7 mm 0.69 in / 17.5 mm 4.31 in / 109.5 mm 0.21 in / 5.3 mm 1.18 in / 30 mm 1.58 in / 40 mm 0.85 in / 21.5 mm 0.08 in / 2 mm 2,32 in / 59 mm 0.47 in / 12 mm 0.98 in / 25 mm 0.65 in / 16.5 mm 1.38 in / 35 mm 0.32 in / 8 mm 0.53 in / 13.5 mm 1.02 in / 26 mm 2.29 in / 58 mm 1.85 in / 47 mm 0.71 in / 18 mm 1.50 in / 38 mm 2.60 in / 65 mm 2.21 in / 56 mm 1.18 to 3.39 in / 30 to 86 mm 2.09 in / 53 mm aa 0.24 in / 6 mm bb 1.18 to 5.59 in / 30 to 142 mm cc 0.63 in / 16 mm dd 2.36 in / 60 mm

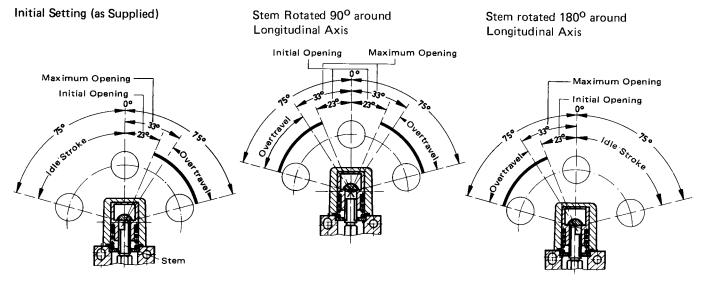
Type ASS-03



- 1, 11 (P) = Supply port (or vacuum)
- 2 (A) = Working or outlet

3, 33 (R) = Exhaust

Operational Range Set by Rotating the Stem



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