

Series E-25

Page 2-03



Series T-28

Page 2-09



Series E-28

Page 2-04



Series T-30

Page 2-10



Series E-18

Page 2-05



Actuator Ø 22,5 mm

Page 2-11



Series E-30

Page 2-07



Actuator Ø 30 mm

Page 2-13



Series T-25

Page 2-08



Series ST-18

Page 2-15



Table of contents

Series TK-28

Page 2-16



Series 84-4F

Page 2-21



Series HF

Page 2-17



Series HR

Page 2-17



Series 84-4HF

Page 2-19



Series 84-4HR

Page 2-19



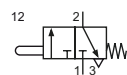
Technical details

Connection	M5
Nominal size	2 mm
Temperature range	-10°C ... +70°C
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Body: Al (anodized), seals: NBR, inner parts: stainless steel and brass, stem: stainless steel (E), plastic (ER, EL), roller: stainless steel (ER), plastic (EL), lever: brass

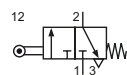


Mechanically operated seat valve.

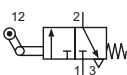
3/2-way valves



E-25-310
3/2-way, mechanical spring return,
stem operated



ER-25-310
3/2-way, mechanical spring return,
roller operated



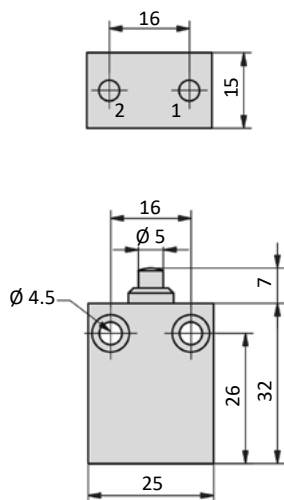
EL-25-310
3/2-way, mechanical spring return,
roller operated with free return

Technical data

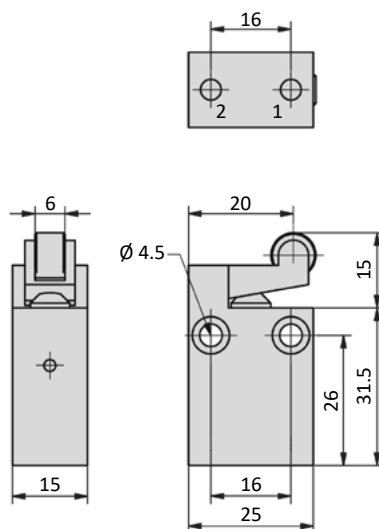
Model-no.:	E-25-310	ER-25-310	EL-25-310
Operating pressure (bar)	0 ... 12	0 ... 12	0 ... 12
Flow rate (NI/min)	80	80	80
Actuating force at 6 bar (N)	15	8	8
Pre-stroke (mm)	1.25	1.5	1.5
Actuation stroke (mm)	1.25	1.5	1.5
Pre actuation stroke (mm)	1.5	1.2	1.2
Weight (kg)	0.035	0.046	0.044

Dimensions

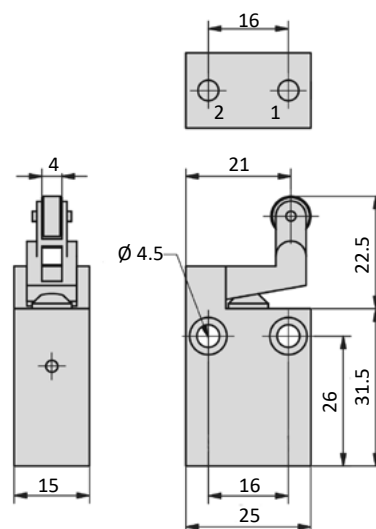
E-25-310



ER-25-310



EL-25-310



Series E-28

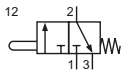
Technical details

Connection	G1/8
Nominal size	4 mm
Temperature range	-10°C ... +70°C
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Body: Al (anodized), seals: NBR, inner parts: Al, stainless steel and brass, stem, lever: stainless steel, roller: plastic

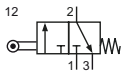


Mechanically operated seat valve.

3/2-way valves



E-28-310
3/2-way, mechanical spring return,
stem operated



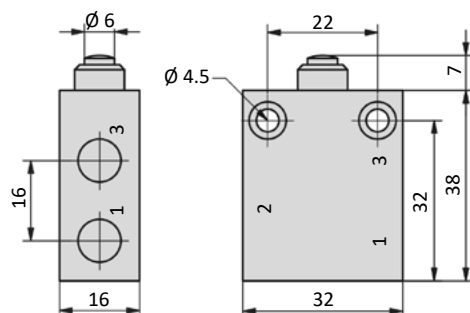
ER-28-310
3/2-way, mechanical spring return,
roller operated

Technical data

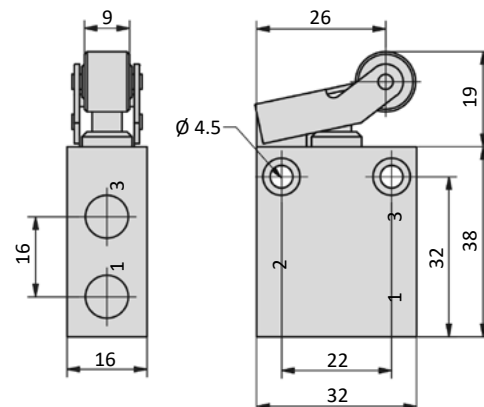
Model-no.:	E-28-310	ER-28-310
Operating pressure (bar)	0 ... 12	0 ... 12
Flow rate (l/min)	210	210
Actuating force at 6 bar (N)	16	9
Pre-stroke (mm)	1	2
Actuation stroke (mm)	1	1
Pre actuation stroke (mm)	2	2
Weight (kg)	0.053	0.063

Dimensions

E-28-310



ER-28-310



- 1 = pressure inlet
- 2 = outlet
- 3 = exhaust

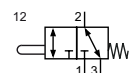
Technical details

Connection	G1/8
Nominal size	4 mm
Temperature range	-10°C ... +70°C
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Body: Al (anodized), seals: NBR, inner parts: stainless steel and brass, stem: stainless steel (E), plastic (ER, EL), roller: plastic, lever: Al (anodized), brass

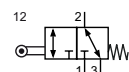


Mechanically operated spool valve.

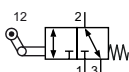
3/2-way valves



E-18-310
3/2-way, mechanical spring return,
stem operated

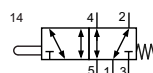


ER-18-310
3/2-way, mechanical spring return,
roller operated

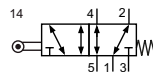


EL-18-310
3/2-way, mechanical spring return,
roller operated with free return

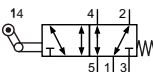
5/2-way valves



E-18-510
5/2-way, mechanical spring return,
stem operated



ER-18-510
5/2-way, mechanical spring return,
roller operated



EL-18-510
5/2-way, mechanical spring return,
roller operated with free return

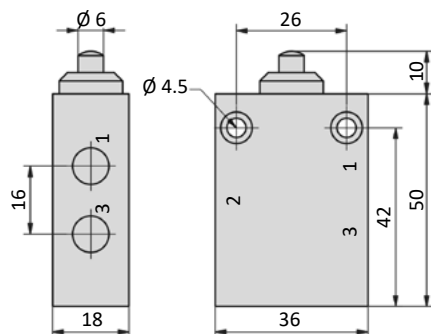
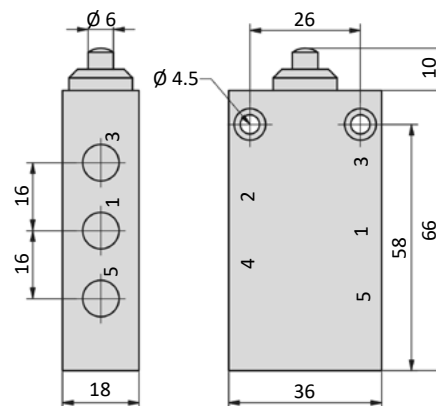
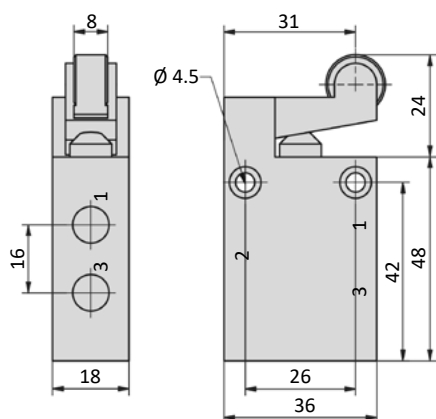
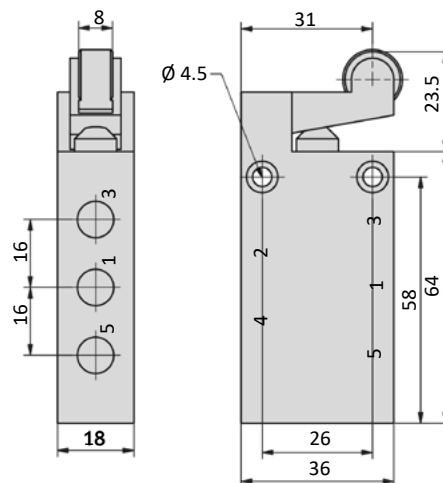
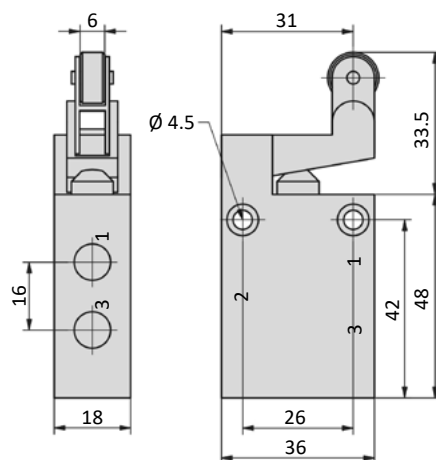
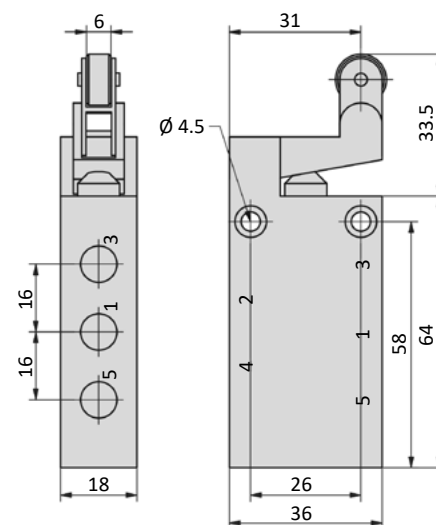
Technical data

Model-no.:	E-18-310	ER-18-310	EL-18-310
Operating pressure (bar)	0 ... 12	0 ... 12	0 ... 12
Flow rate (NI/min)	320	320	320
Actuating force at 6 bar (N)	27	17	17
Pre-stroke (mm)	1.5	2.5	2.5
Actuation stroke (mm)	2.5	2.5	2.5
Pre actuation stroke (mm)	1	3.5	3.5
Weight (kg)	0.094	0.102	0.099

Model-no.:	E-18-510	ER-18-510	EL-18-510
Operating pressure (bar)	0 ... 12	0 ... 12	0 ... 12
Flow rate (NI/min)	320	320	320
Actuating force at 6 bar (N)	27	17	17
Pre-stroke (mm)	1.5	2.5	2.5
Actuation stroke (mm)	2.5	2.5	2.5
Pre actuation stroke (mm)	1	3.5	3.5
Weight (kg)	0.118	0.125	0.123

Series E-18

Dimensions

E-18-310

E-18-510

ER-18-310

ER-18-510

EL-18-310

EL-18-510


- 1 = pressure inlet
- 2,4 = outlets
- 3,5 = exhausts

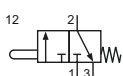
Technical details

Connection	M5
Nominal size	2 mm
Temperature range	-10°C ... +70°C
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Body: Al (anodized), seals: FKM, NBR, inner parts: stainless steel, brass, stem: stainless steel



Mechanically operated seat valve.

3/2-way valve



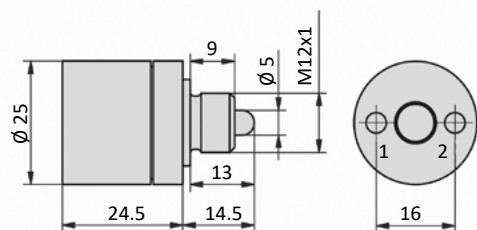
E-30-311-M12
3/2-way, mechanical spring return,
stem operated

Technical data

Model-no.:	E-30-311-M12
Operating pressure (bar)	0 ... 12
Flow rate (NI/min)	110
Actuating force at 6 bar (N)	21
Pre-stroke (mm)	1
Actuation stroke (mm)	1
Pre actuation stroke (mm)	2
Weight (kg)	0.037

Dimensions

E-30-311-M12



- 1 = pressure inlet
- 2 = outlet

Series T-25

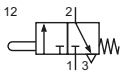
Technical details

Connection	M5
Nominal size	2.5 mm
Temperature range	-10°C ... +70°C
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Body: Al (anodized), seals: NBR, inner parts: stainless steel and brass, stem: stainless steel



Mechanically operated seat valve including mounting adapter for actuator installation.

3/2-way valve



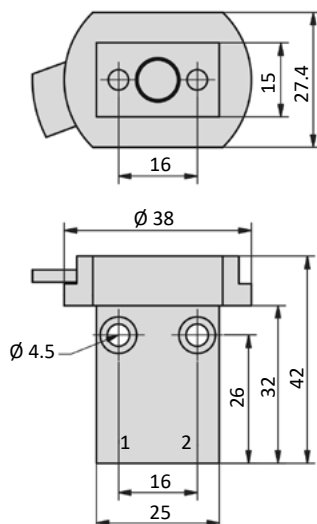
T-25-311
3/2-way, mechanical spring return,
stem operated

Technical data

Model-no.:	T-25-311
Operating pressure (bar)	0 ... 12
Flow rate (l/min)	95
Actuating force at 6 bar (N)	22
Actuation stroke (mm)	4
Weight (kg)	0.042

Dimensions

T-25-311



- 1 = pressure inlet
2 = outlet

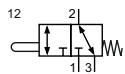
Technical details

Connection	G1/8
Nominal size	4 mm
Temperature range	-10°C ... +70°C
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Body: Al (anodized), seals: NBR, inner parts: stainless steel and brass, stem: stainless steel
	T-28-311 in accordance with 2014/34/EU (ATEX) available. (Chapter 13)

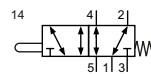


Mechanically operated spool valve including mounting adapter for actuator installation.

3/2-way valve



T-28-311
3/2-way, mechanical spring return, stem operated



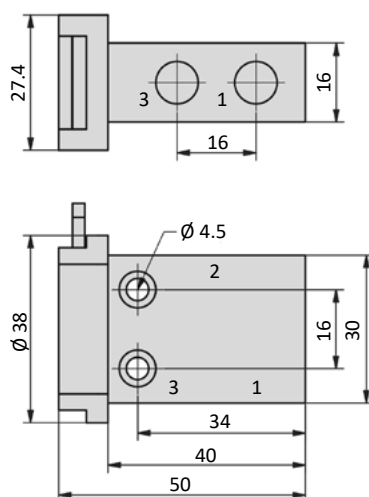
T-28-511
5/2-way, mechanical spring return, stem operated

Technical data

Model-no.:	T-28-311	T-28-511
Operating pressure (bar)	0 ... 12	0 ... 12
Flow rate (NI/min)	450	465
Actuating force at 6 bar (N)	25	15
Actuation stroke (mm)	4	4
Weight (kg)	0.058	0.075

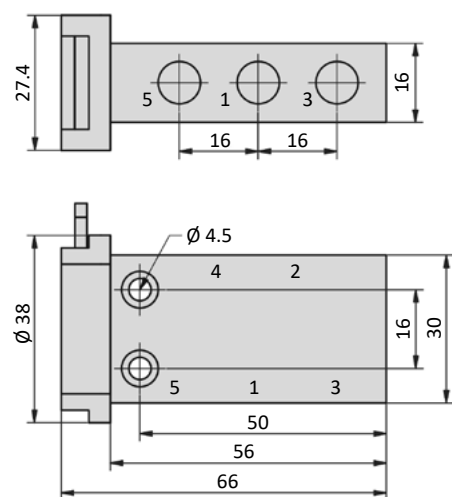
Dimensions

T-28-311



- 1 = pressure inlet
- 2,4 = outlets
- 3,5 = exhausts

T-28-511



Series T-30

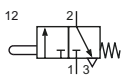
Technical details

Connection	M5
Temperature range	-10°C ... +70°C
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Body: Al (anodized), seals: NBR, inner parts: stainless steel and brass, stem: stainless steel
	Valves in accordance with 2014/34/EU (ATEX) available. (Chapter 13)

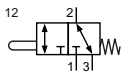


Mechanically operated seat valve (T-30-310) or spool valve (T-30-510) including mounting adapter for actuator mount.

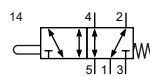
3/2-way-Valves



T-30-310
3/2-way, mechanical spring return,
stem operated



T-30-310-ATEX
3/2-way, mechanical spring return,
stem operated



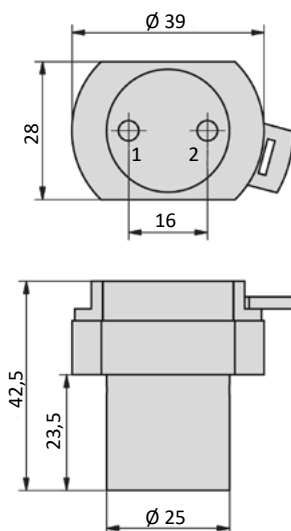
T-30-510
5/2-way, mechanical spring return,
stem operated

Technical data

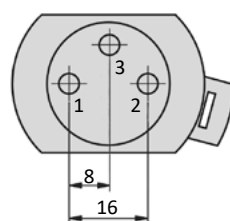
Model-no.:	T-30-310	T-30-510
Operating pressure (bar)	0 ... 12	0 ... 12
Flow rate (l/min)	80	100
Nominal size (mm)	2	2.4
Actuating force at 6 bar (N)	10	21
Actuation stroke (mm)	4	4
Weight (kg)	0.052	0.076

Dimensions

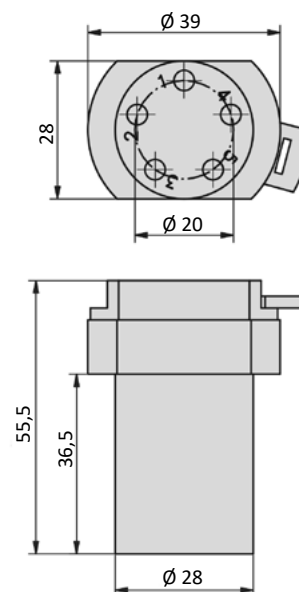
T-30-310



T-30-310-ATEX

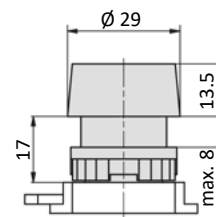


T-30-510



- 1 = pressure inlet
- 2,4 = outlets
- 3,5 = exhausts

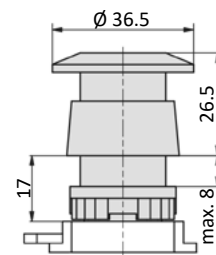
18-T-23-011-xx Push button



Model-no.: 18-T-23-011-xx +	T-25-311	T-28-311	T-28-511	T-30-310	T-30-510
Symbol					
Actuating force at 6 bar (N)	24	23	15	13	23
Weight (incl. valve) (kg)	0.057	0.073	0.090	0.067	0.091

Please complete: xx = colour (20 = green, 21 = green with white line, 30 = black, 40 = red, 42 = red with white circle, 50 = yellow, 60 = blue)

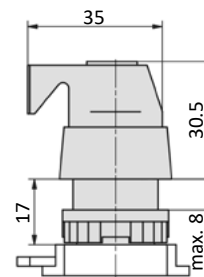
18-T-23-012-xx Mushroom



Model-no.: 18-T-23-012-xx +	T-25-311	T-28-311	T-28-511	T-30-310	T-30-510
Symbol					
Actuating force at 6 bar (N)	24	23	15	13	23
Weight (incl. valve) (kg)	0.062	0.078	0.095	0.072	0.096

Please complete: xx = colour (20 = green, 30 = black, 40 = red)

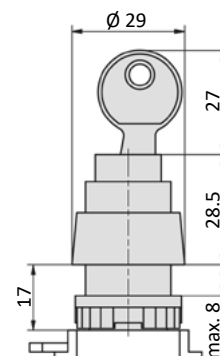
18-T-23-013 2 position switch

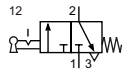
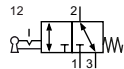
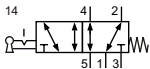
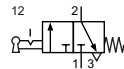
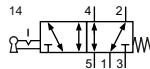


Model-no.: 18-T-23-013 +	T-25-311	T-28-311	T-28-511	T-30-310	T-30-510
Symbol					
Actuating force at 6 bar (N)	24	23	15	26	25
Weight (incl. valve) (kg)	0.064	0.080	0.097	0.074	0.098

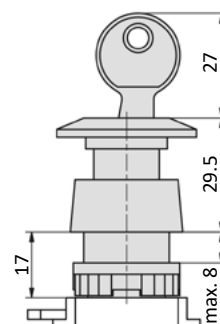
Actuator Ø 22.5 mm

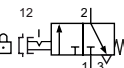
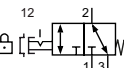
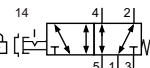
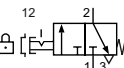
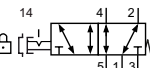
18-T-23-014 Key-return



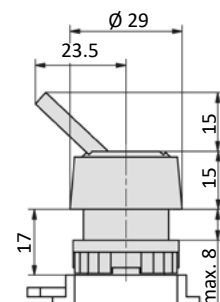
Model-no.: 18-T-23-014 +	T-25-311	T-28-311	T-28-511	T-30-310	T-30-510
Symbol					
Actuating force at 6 bar (N)	24	23	15	13	23
Weight (incl. valve) (kg)	0.123	0.139	0.156	0.133	0.157

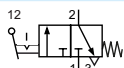
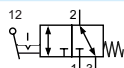
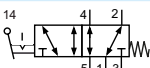
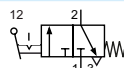
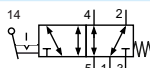
18-T-23-015 Stop, key-return



Model-no.: 18-T-23-015 +	T-25-311	T-28-311	T-28-511	T-30-310	T-30-510
Symbol					
Actuating force at 6 bar (N)	24	23	15	13	23
Weight (incl. valve) (kg)	0.125	0.141	0.158	0.135	0.159

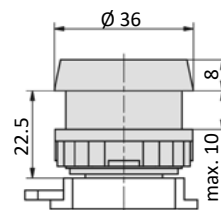
18-T-23-016 Toggle



Model-no.: 18-T-23-016 +	T-25-311	T-28-311	T-28-511	T-30-310	T-30-510
Symbol					
Actuating force at 6 bar (N)	24	23	15	26	25
Weight (incl. valve) (kg)	0.069	0.085	0.102	0.079	0.103

Actuator Ø 30 mm

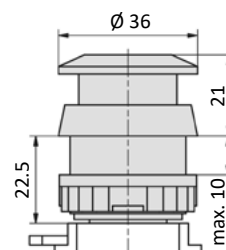
18-T-30-011-xx Push button



Model-no.: 18-T-30-011-xx +	T-25-311	T-28-311	T-28-511	T-30-310	T-30-510
Symbol					
Actuating force at 6 bar (N)	24	23	15	15	24
Weight (incl. valve) (kg)	0.066	0.082	0.099	0.076	0.100

Please complete: xx = colour (20 = green, 30 = black, 40 = red, 50 = yellow)

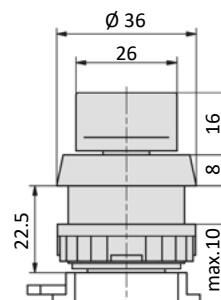
18-T-30-012-xx Mushroom



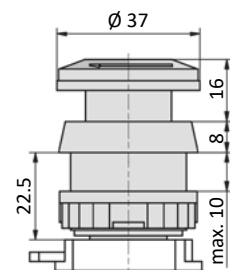
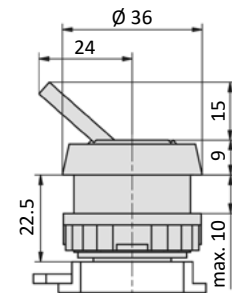
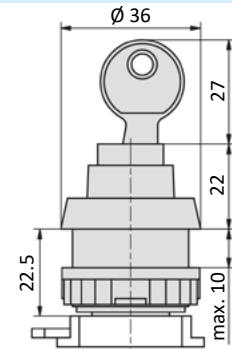
Model-no.: 18-T-30-012-xx +	T-25-311	T-28-311	T-28-511	T-30-310	T-30-510
Symbol					
Actuating force at 6 bar (N)	24	23	15	15	24
Weight (incl. valve) (kg)	0.071	0.087	0.104	0.081	0.105

Please complete: xx = colour (30 = black, 40 = red)

18-T-30-013 2 position switch



Model-no.: 18-T-30-013 +	T-25-311	T-28-311	T-28-511	T-30-310	T-30-510
Symbol					
Actuating force at 6 bar (N)	24	23	15	15	25
Weight (incl. valve) (kg)	0.071	0.087	0.104	0.081	0.105



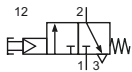
Technical details

Connection	G1/8
Nominal size	3 mm
Temperature range	-10°C ... +70°C
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Body: Al (anodized), seals: NBR and POM, inner parts: Al, stainless steel and brass



Servo-operated spool valve with low actuating force. The actuating is constantly pilot air supported and is venting* in resting position on a small amount of air. *(through a gap between holder and body)

3/2-way valve



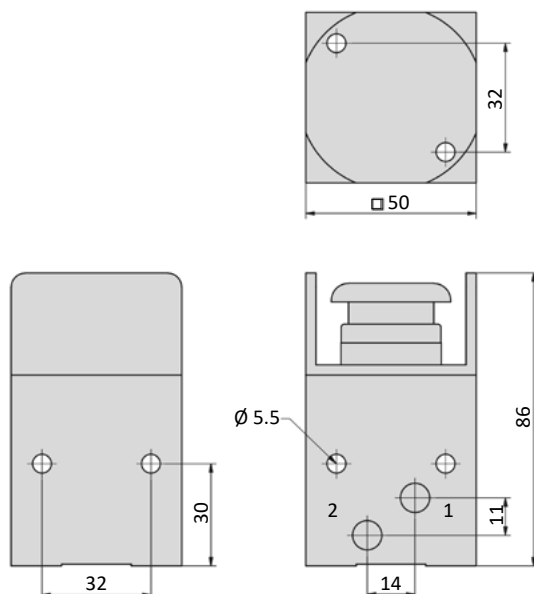
ST-18-310
3/2-way, mechanical spring return,
push button

Technical data

Model-no.:	ST-18-310
Operating pressure (bar)	3 ... 10
Flow rate (NI/min)	220
Actuating force at 6 bar (N)	3.5
Air consumption (NI/min)	2.5
Weight (kg)	0.400

Dimensions

ST-18-310



- 1 = pressure inlet
- 2 = outlet

Series TK-28

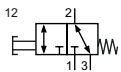
Technical details

Connection	G1/8
Nominal size	4 mm
Temperature range	-10°C ... +70°C
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Body: Al (anodized), seals: NBR, inner parts: Al, stainless steel and brass,

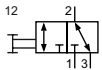


Manually operated spool valve.

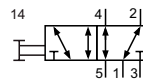
3/2-way valves



TK-28-311
3/2-way, mechanical spring return,
push function



TK-28-320
3/2-way, two positions, actuator
pull/push function



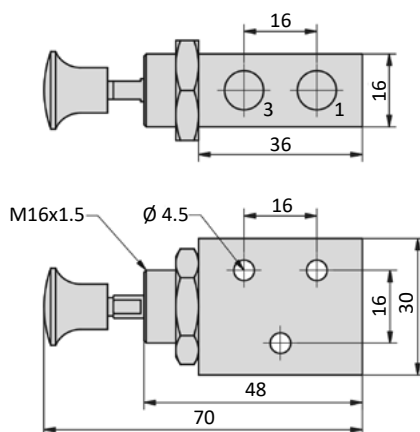
TK-28-520
5/2-way, two positions, actuator
pull/push function

Technical data

Model-no.:	TK-28-311	TK-28-320	TK-28-520
Operating pressure (bar)	2 ... 10	2 ... 10	2 ... 10
Flow rate (l/min)	500	500	480
Actuating force at 6 bar (N)	11	3	4
Weight (kg)	0.061	0.061	0.078

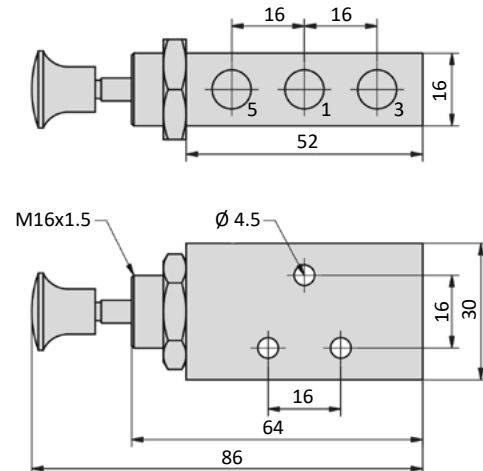
Dimensions

TK-28-3xx



- 1 = pressure inlet
- 2,4 = outlets
- 3,5 = exhausts

TK-28-520



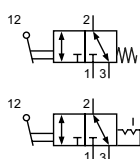
Technical details

Temperature range	-10°C ... +70°C
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Body: Al (anodized), seals: NBR and POM, inner parts: Al, stainless steel and brass
	Valves in accordance with 2014/34/EU (ATEX) available. (Chapter 13)



Hand lever operated spool valve.

3/2-way valves

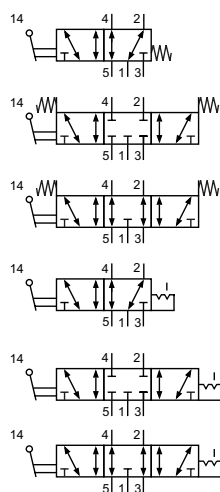


HF-xx-310
3/2-way, hand lever, mechanical spring return

HR-xx-320
3/2-way, two positions, hand lever, detent

Please complete: xx = 18 for G1/8
xx = 14 for G1/4
xx = 12 for G1/2

5/2- and 5/3-way valves



HF-xx-510
5/2-way, hand lever, mechanical spring return

HF-xx-530
5/3-way, center position closed, hand lever, spring return

HF-xx-533
5/3-way, center position exhausted, hand lever, spring return

HR-xx-520
5/2-way, two positions, hand lever, detent

HR-xx-530
5/3-way, center position closed, hand lever, detent

HR-xx-533
5/3-way, center position exhausted, hand lever, detent

Technical data

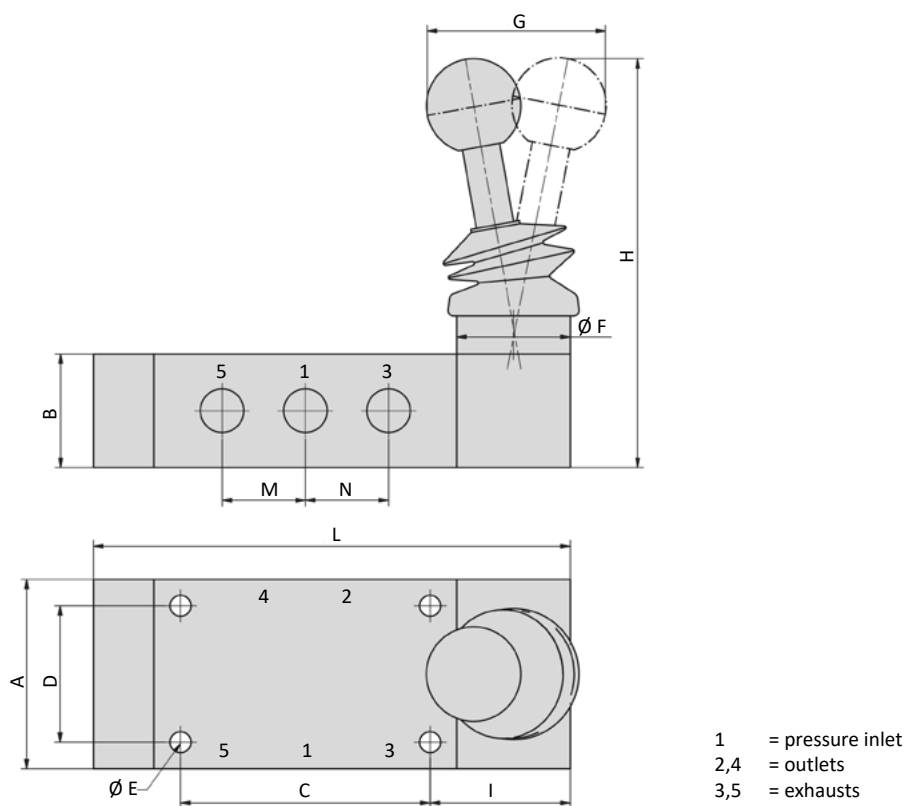
Model-no.:	HF-18-310	HF-14-310	HF-12-310	HF-18-510	HF-14-510	HF-12-510
Connection	G1/8	G1/4	G1/2	G1/8	G1/4	G1/2
Nominal size (mm)	6	9	14	6	9	14
Flow rate (NI/min)	750	1580	3300	750	1580	3300
Operating pressure (bar)	0 ... 12	0 ... 12	0 ... 12	0 ... 12	0 ... 12	0 ... 12
Actuating force at 6 bar (N)	13	20	32	13	20	32
Weight (kg)	0.266	0.48	1.21	0.31	0.56	1.43
Model-no.:	HF-18-530	HF-14-530	HF-12-530	HF-18-533	HF-14-533	HF-12-533
Connection	G1/8	G1/4	G1/2	G1/8	G1/4	G1/2
Nominal size (mm)	6	9	14	6	9	14
Flow rate (NI/min)	780	1800	3300	780	1800	3300
Operating pressure (bar)	0 ... 10	0 ... 12	0 ... 12	0 ... 10	0 ... 12	0 ... 12
Actuating force at 6 bar (N)	20	25	36	20	25	36
Weight (kg)	0.32	0.58	1.43	0.32	0.58	1.43
Model-no.:	HR-18-320	HR-14-320	HR-12-320	HR-18-520	HR-14-520	HR-12-520
Connection	G1/8	G1/4	G1/2	G1/8	G1/4	G1/2
Nominal size (mm)	6	9	14	6	9	14
Flow rate (NI/min)	750	1580	3300	750	1580	3300
Operating pressure (bar)	0 ... 12	0 ... 12	0 ... 12	0 ... 12	0 ... 12	0 ... 12
Actuating force at 6 bar (N)	16	24	36	16	24	36
Weight (kg)	0.268	0.485	1.215	0.312	0.564	1.43

Series HF, HR

Technical data

Model-no.:	HR-18-530	HR-14-530	HR-12-530	HR-18-533	HR-14-533	HR-12-533
Connection	G1/8	G1/4	G1/2	G1/8	G1/4	G1/2
Nominal size (mm)	6	9	14	6	9	14
Flow rate (NI/min)	780	1800	3300	780	1800	3300
Operating pressure (bar)	0 ... 10	0 ... 12	0 ... 12	0 ... 10	0 ... 12	0 ... 12
Actuating force at 6 bar (N)	20	25	40	20	25	40
Weight (kg)	0.32	0.58	1.43	0.32	0.58	1.43

Dimensions



Model-no.:		A	B	C	D	Ø E	Ø F	G	H	I	L	M	N
HF-18-310	HR-18-320	40	25	34	30	4.5	25	36	88	31	87	-	18
HF-14-310	HR-14-320	50	30	44	36	5.5	30	46	112	37	104	-	22
HF-12-310	HR-12-320	70	40	70	50	6.5	40	64	148	51	148	-	36
HF-18-510	HR-18-520	40	25	52	30	4.5	25	36	88	31	105	18	18
HF-14-510	HR-14-520	50	30	66	36	5.5	30	46	112	37	126	22	22
HF-12-510	HR-12-520	70	40	106	50	6.5	40	64	148	51	184	36	38
HF-18-53x	HR-18-53x	40	25	52	30	4.5	25	45	88	31	105	18	18
HF-14-53x	HR-14-53x	50	30	66	36	5.5	30	53	112	37	126	22	22
HF-12-53x	HR-12-53x	70	40	106	50	6.5	40	64	148	51	193	36	36

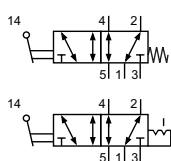
Technical details

Temperature range	0°C ... +60°C
Operating pressure	0 ... 8 bar
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Body: Al (anodized), plastic, seals: NBR , inner parts: Al, steel



Hand lever operated spool valve.

5/2-way valves

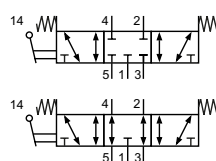


84-4HF-xx-510
5/2-way, hand lever, mechanical spring return

84-4HR-xx-520
5/2-way, two positions, hand lever, detent

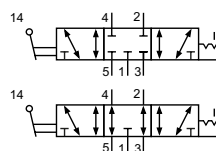
Please complete: xx = 18 for G1/8
xx = 14 for G1/4
xx = 12 for G1/2

5/3-way valves



84-4HF-xx-530
5/3-way, center position closed, hand lever, spring return

84-4HF-xx-533
5/3-way, center position exhausted, hand lever, spring return



84-4HR-xx-530
5/3-way, center position closed, hand lever, detent

84-4HR-xx-533
5/3-way, center position exhausted, hand lever, detent

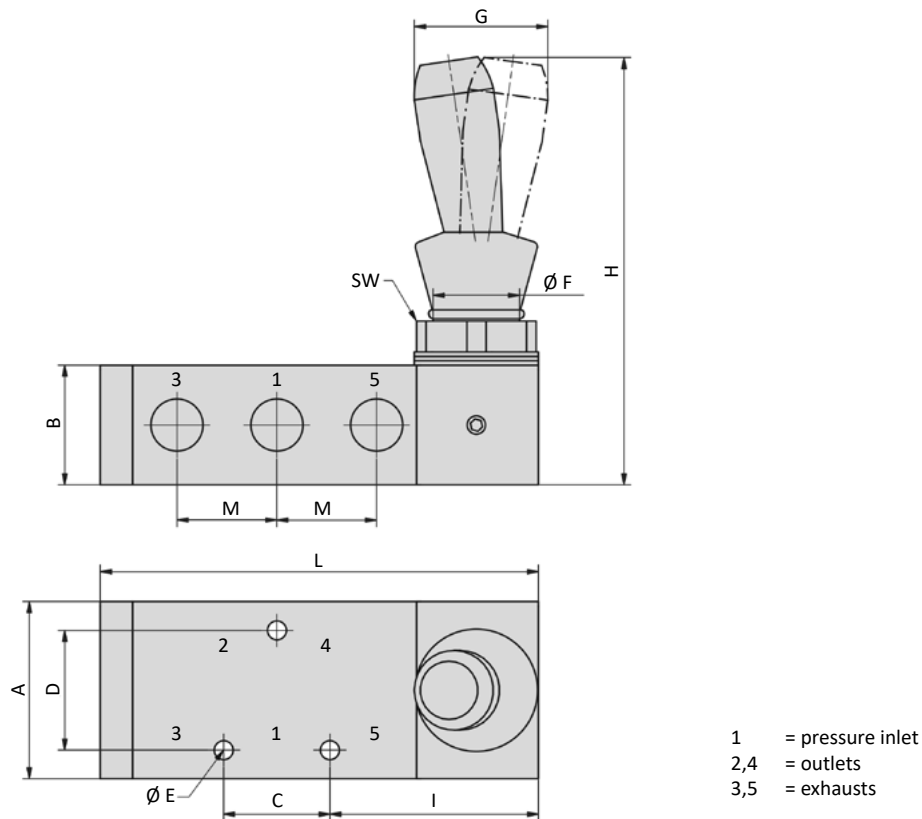
Technical data

Model-no.:	84-4HF-18-510	84-4HF-14-510	84-4HF-14-530	84-4HF-14-533
Connection	G1/8	G1/4	G1/4	G1/4
Nominal size (mm)	4.5	6	5	5
Flow rate (NI/min)	750	1350	980	980
Weight (kg)	0.168	0.252	0.310	0.310

Model-no.:	84-4HR-18-520	84-4HR-14-520	84-4HR-12-520	84-4HR-14-530	84-4HR-14-533	84-4HR-12-530
Connection	G1/8	G1/4	G1/2	G1/4	G1/4	G1/2
Nominal size (mm)	4.5	6	8	5	5	6.5
Flow rate (NI/min)	750	1350	2500	980	980	1600
Weight (kg)	0.170	0.255	0.540	0.250	0.250	0.560

Series 84-4HF, 84-4HR

Dimensions



Model-no.:	A	B	C	D	$\varnothing E$	$\varnothing F$	G	H	I	L	M	SW
84-4HF-18-510	35	22	20	21	4.3	15	16	90	38	81.3	18	22
84-4HF-14-510	40	27	24	27	4.3	20	20	93	48	100.5	22.5	27
84-4HF-14-530	40	27	24	27	4.3	20	20	93	67	119.5	22.5	27
84-4HF-14-533	40	27	24	27	4.3	20	20	93	67	119.5	22.5	27
84-4HR-18-520	35	22	20	21	4.3	15	16	90	38	81.3	18	22
84-4HR-14-520	40	27	24	27	4.3	20	20	93	48	100.5	22.5	27
84-4HR-14-530	40	27	24	27	4.3	20	20	93	48	100.5	22.5	27
84-4HR-14-533	40	27	24	27	4.3	20	20	93	48	100.5	22.5	27
84-4HR-12-520	50	34	28	35	5.5	22	28	103.5	57	128.5	31.5	-
84-4HR-12-530	50	34	28	35	5.5	22	30	108.5	57	128.5	31.5	27

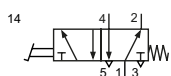
Technical details

Connection	G1/4
Nominal size (mm)	9
Temperature range	0°C ... +60°C
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Body: Al (anodized), seals: NBR , inner parts: Al, steel

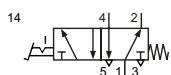


Foot pedal operated pool valve.

5/2-way valves



84-4FF-511-14-H
5/2-way, pedal, mechanical spring return

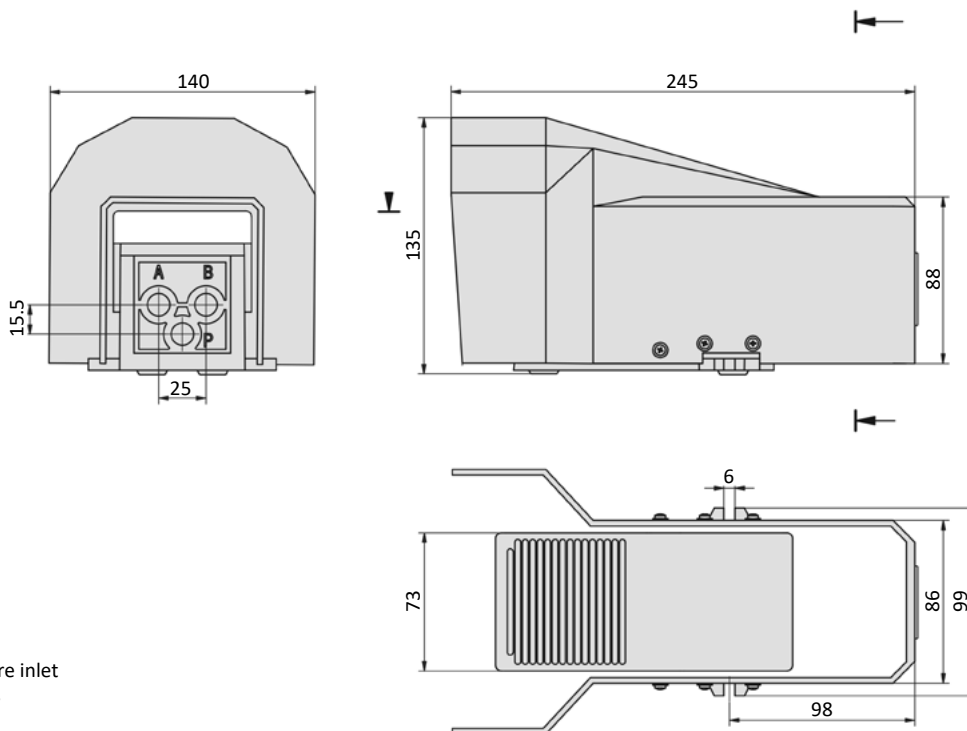


84-4FR-520-14-H
5/2-way, two positions, pedal, detent

Technical data

Model-no.:	84-4FF-511-14-H	84-4FR-520-14-H
Operating pressure (bar)	0 ... 8	0 ... 8
Flow rate (NI/min)	530	530
Weight (kg)	0.900	0.900

Dimensions



P = pressure inlet
A,B = outlets