Electric Residual Pressure Relief Valves

CHELIC®

Industries served

AUTOMATION | ELECTRONICS | PACKING | MACHINE TOOLING

UES series

Ready for remote control of Intake Switch

Can be actuated by working with Solenoid Valve.

Remote operation of Intake Switch to a better time control

Manual override

Allows switching the intake and exhaustion functions.

Silencer option available

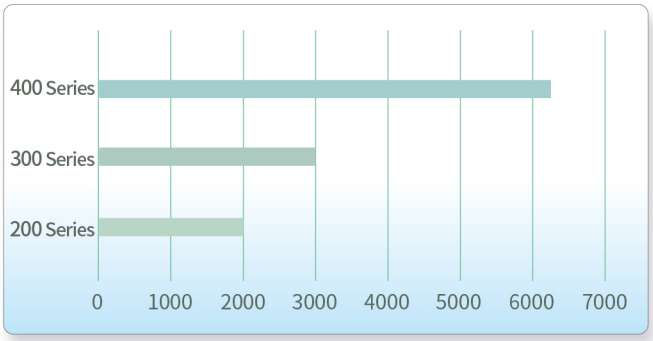
Noise reduction effectively

Light-weight design

Weight reducing

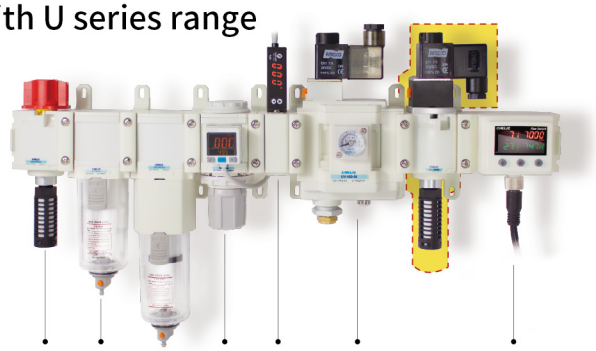
Wide Flow Range

Electrically operated flow rate 65% higher than manual operation



Space-saving & Piping Arrangement Reduction

with U series range



UES series Electric Residual Pressure Relief Valves

Product features/ Code of order

CHELIC

Feature

- Activated by solenoid valve distantly, facilitate convenient and time-saving operation.
- Light weight and handy design.
- Optional silencer reduces exhaust noise.
- Modularized with the U series combination per demand flexibly.

Specification

Item \ Model	UES 200	UES 300	UES 400
Fluid	Air		
Port size Rc	1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2
Pressure range kgf/cm²(kPa)	1.5 ~ 8.5 (150 ~ 850)		
Max. service pressure kgf/cm²(kPa)	10 (1000)		
Ambient and fluid temperature °C	5 ~ 60		
Number of position ports	3/2		
Voltage type	DC12V/DC24V/AC110, AC220(50/60)HZ		
Voltage tolerance	±10%		
Material	Aluminum alloy die-casting		
Weight kg	0.24	0.29	0.48

Code of order

UES 400 – 03 – □ – D2 – □ – □ – □

1 2 3 4 5 6 7

1

Mark	Model
200	200 series
300	300 series
400	400 series

2

Mark	Port	Reference model		
		UES200	UES300	UES400
01	1/8	●	—	—
02	1/4	●	●	●
03	3/8	—	●	●
04	1/2	—	—	●

3

Mark	Thread type
None	RC
G	PF
N	NPT

4

Mark	Voltage
D1	12V DC
D2	24V DC
A1	110V AC
A2	220V AC

5

Mark	Indicator light
None	Standard type (Without indicator light / Black outer shell)
L	With indicator light

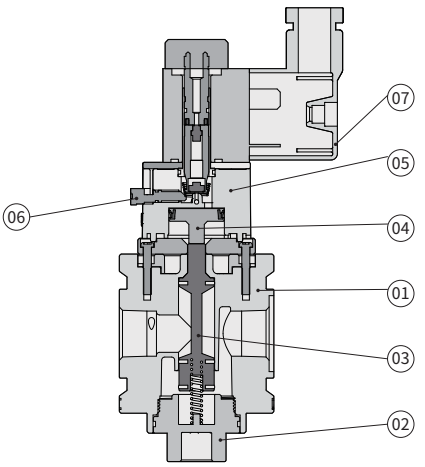
6

Mark	Silencer
None	Without silencer
P	Silencer

7

Mark	Bracket
None	No bracket
C	Bracket

Internal structure

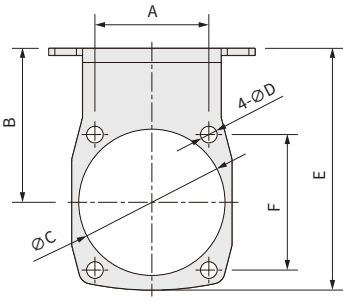


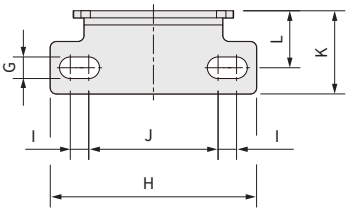
Components and material list

No.	Item	Material
01	Body	Aluminum die-casting
02	bottom cover	Aluminum
03	Aluminum spool	Aluminum
04	Piston	Copper
05	Holder	PBT
06	Manual override	POM
07	Solenoid valve	—

Accessory - Bracket

Applicable to UES 200, UES 300, UES 400

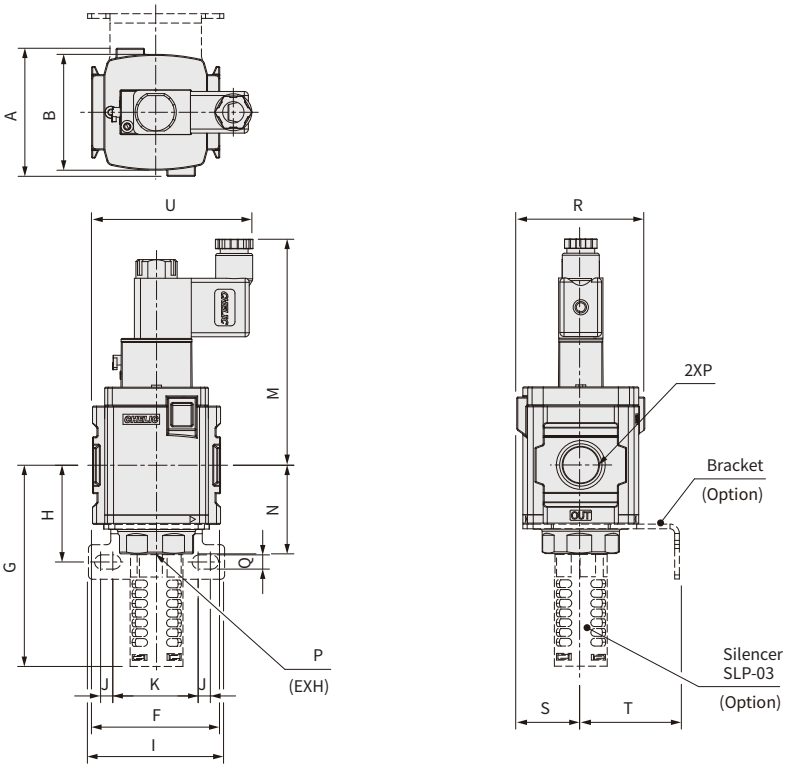




Unit : mm

Mark / Model	A	B	C	D	E	F	G	H	I	J	K	L
UHS-20C	27.2	30	32.3	3	50	28.4	5.4	50	2.4	35.2	18	13
UHS-30C	29	41	32.3	5	64	34.4	6.5	54	6.5	29	19	13
UHS-40C	37	50	47.5	5.4	78.5	44	7	67	6	42	27	18.5

UES 200 ~ 400



Unit : mm

Mark / Model	A	B	C	D	E	F	G	H	I	J	K	M	N	Q	R	S	T	U	Port thread
																			P
UES 200		40	45	35	6	45	59.8	34	50	2.4	35.2	102.3	35	5.4	42.9	21.5	30	69.9	1/8, 1/4
UES 300		46	45	35	6	50	67.4	38.1	54	6.5	29	102.9	40.4	6.5	46	23	41	72.4	1/4, 3/8
UES 400	63	57	62.9	48.9	10	63	98.6	47.6	67	6	42	111.2	43.6	7	63	31.5	50	78.9	1/4, 3/8, 1/2