



Product Manual



| Professional | Attentive | Innovative |

Battery Indicator & Safety Valve Manufacturer

- K1 Series-Push in type
- K2 Series-Transparent head with screw
- K3 Series-Plastic head with screw
- K4 Series-Vent plug indicator
- K5 Series-Car battery safety valve
- K6 Series-Industrial battery safety valve

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| 公司简介 |

..... COMPANY PROFILE

Zhongshan Kenpo Plastic Tech Co.,Ltd is located in Zhongshan City,GuangdongProvince.

We have more than 10 years experience in this field. It is a precise plastic product factory integrating R&D,production and sales.Our factory specializes in production and sale of battery indicators(also known as electric eyes, magic eyes,power indicators) and safety valves(also known as vent valve,vent plug,presure relief valves), all products are independently researched, developed and designed. The products have patented technology: the raw materials of main parts and components are provided by international brands.The products have the characteristics of high precision, good transmittance,convenient installation, acid resistance, cold resistance and leak proof.The products can be customized according to customers requirements. Our factory has a number of efficient automatic production equipment and perfect testing instruments, with an annual output of 30 million pcs; all products are 100% inspected to ensure that customers are using qualified products. **"Because profession, so trust"**. Kenpo will wholeheartedly provide you with the best quality service.



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| 产品证书 |

..... Product certificate



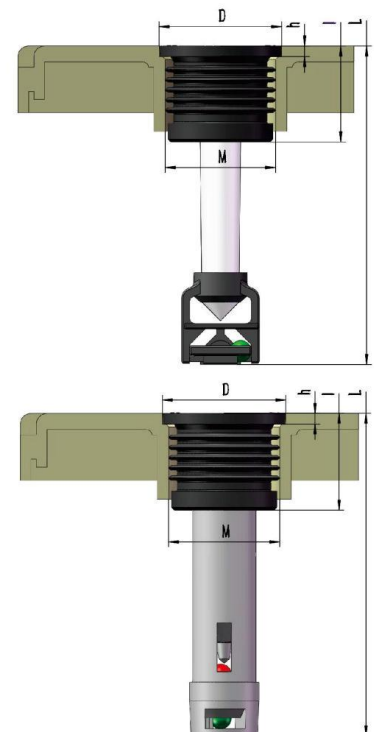
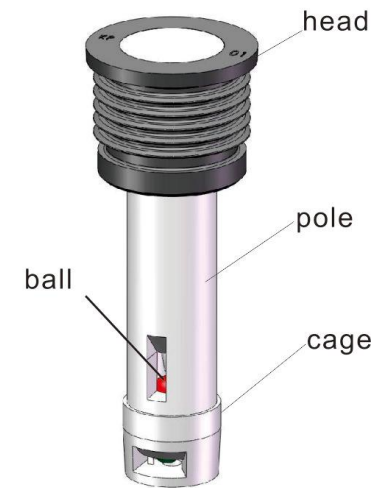
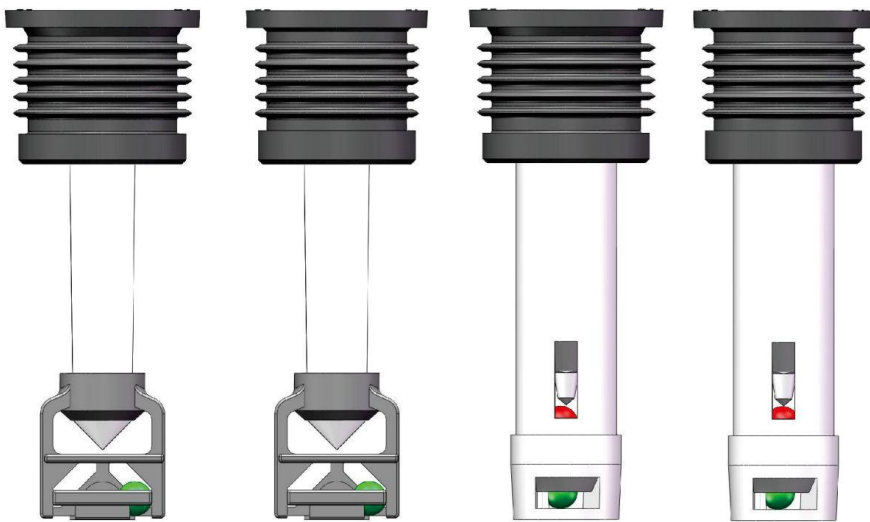
ISO9001:2015




IATF 16949

K1 Series


Model No.	Head Diameter D(mm)	Head Thickness h(mm)	Sealing Diameter M(mm)	Sealing Length l(mm)	Length L(mm)	Explanation
K1-A1	Φ22.90	2.0	20.77	18	38/40/45/50/52.5/55/57.7/60/ 62.5/65/65.3/68/70/72.5/75	Push in type / straight pole / 1 ball
K1-A2	Φ21.3	2.0	19.16	18		
K1-A3	Φ22.3	2.0	19.90	17		
K1-B1	Φ22.90	2.0	20.77	18	40/45/50/52.5/55/57.5/60/ 62.5/65/65.3/68/70/72.5/75	Push in type / 2 balls
K1-B2	Φ21.30	2.0	19.16	18		




Display Diagram




Green




Black




White



Green




White




Red


Battery Condition



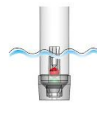
Well charged




Charging incomplete




Acid level lower



Well charged



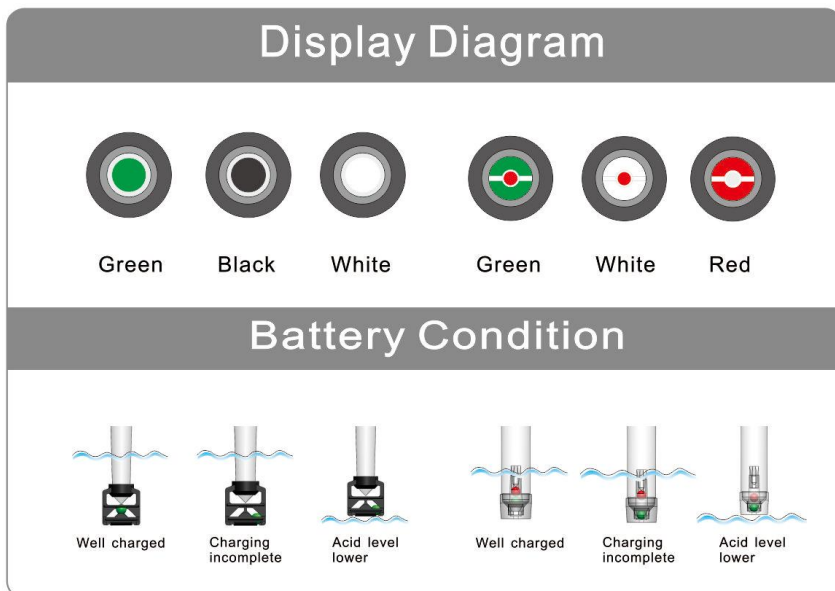
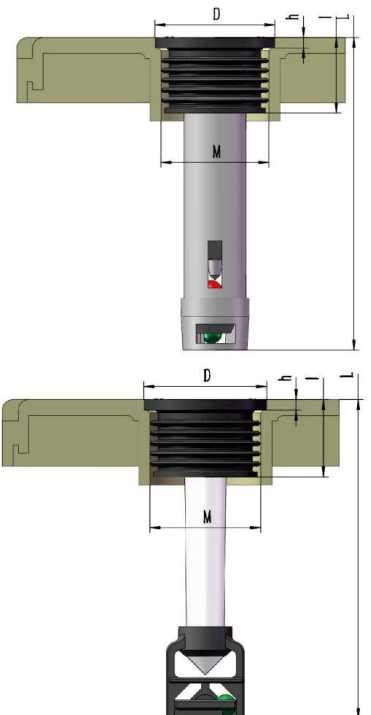
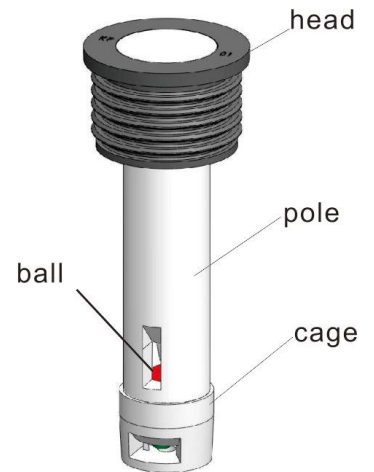
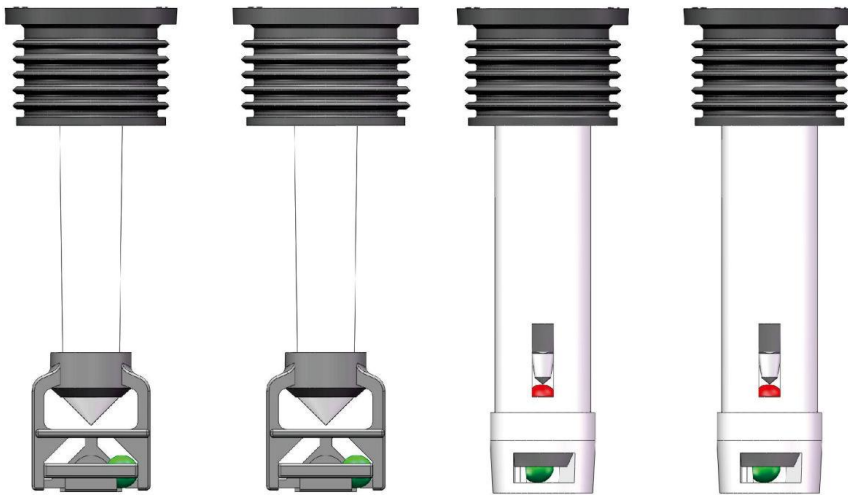
Charging incomplete



Acid level lower

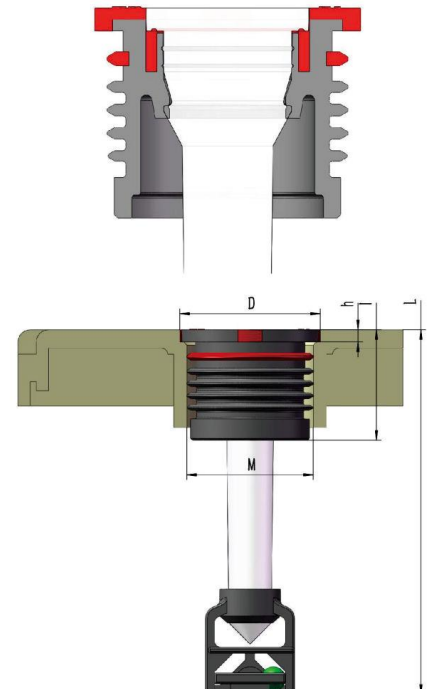
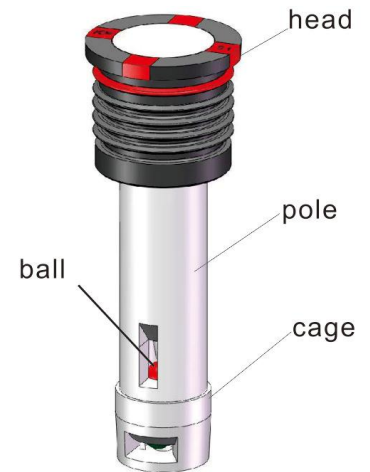
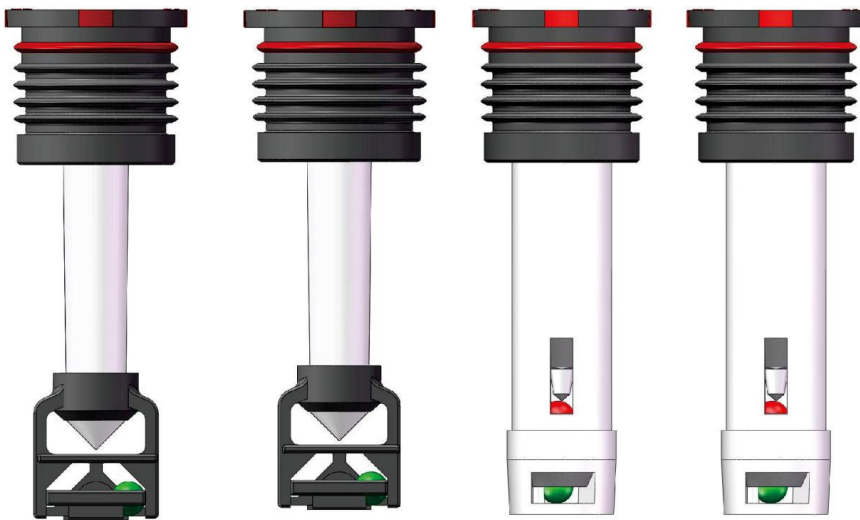
K1 Series

Model No.	Head Diameter D(mm)	Head Thickness h(mm)	Sealing Diameter M(mm)	Sealing Length l(mm)	Length L(mm)	Explanation
K1-A1D	Φ22.90	2.0	20.77	14.5	38/40/45/50/52.5/55/57.7/60/ 62.5/65/65.3/68/70/72.5/75	Push in type / straight pole / 1 ball
K1-A2D	Φ21.30	2.0	19.16	14.5		
K1-B1D	Φ22.90	2.0	20.77	14.5	40/45/50/52.5/55/57.5/60/ 62.5/65/65.3/68/70/72.5/75	Push in type / 2 balls
K1-B2D	Φ21.30	2.0	19.16	14.5		

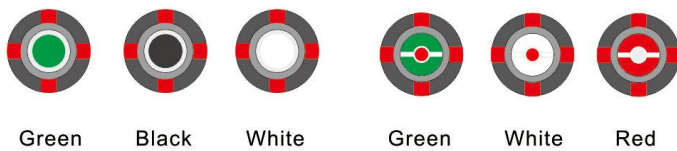


K1 Series

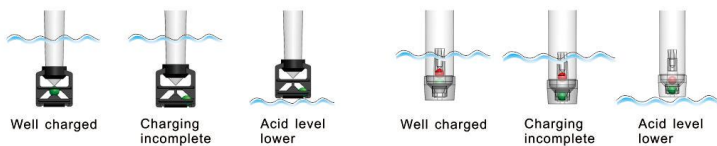
Model No.	Head Diameter D(mm)	Head Thickness h(mm)	Sealing Diameter M(mm)	Sealing Length l(mm)	Length L(mm)	Explanation
K1-A1S	Φ22.90	2.0	20.77	18	38/40/45/50/52.5/55/57.7/60/ 62.5/65/65.3/68/70/72.5/75	Push in type / straight pole / 1 ball
K1-A2S	Φ21.30	2.0	19.16	18		
K1-B1S	Φ22.90	2.0	20.77	18	40/45/50/52.5/55/57.5/60/ 62.5/65/65.3/68/70/72.5/75	Push in type / 2 balls
K1-B2S	Φ21.30	2.0	19.16	18		



Display Diagram

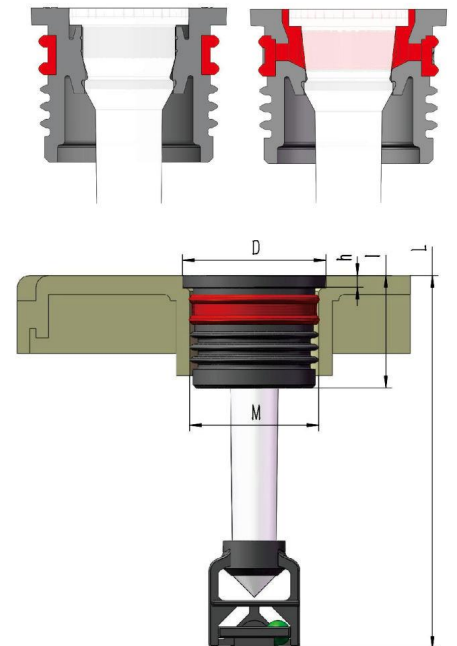
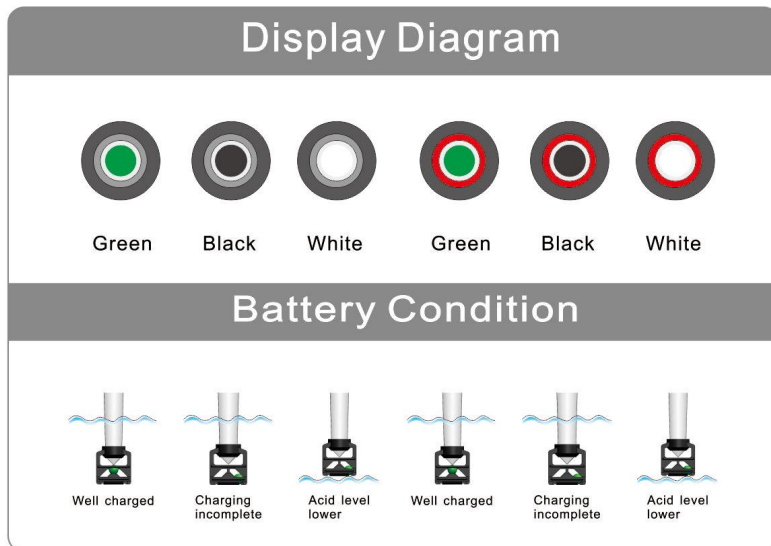


Battery Condition



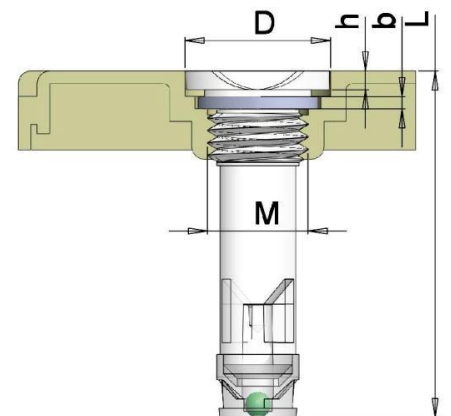
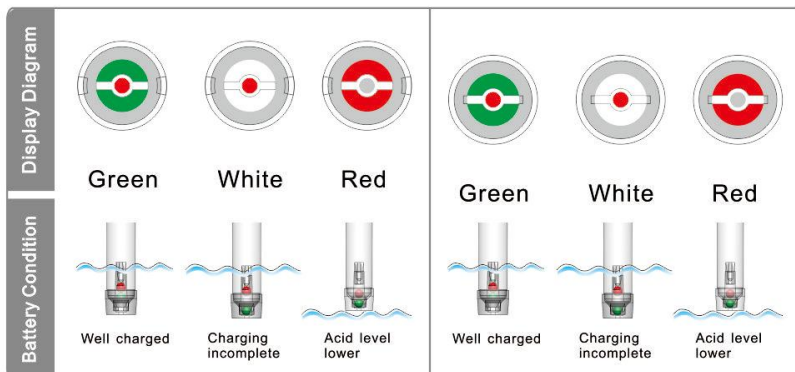
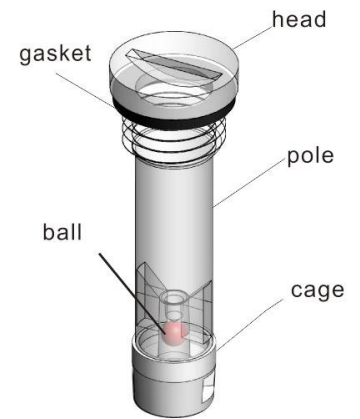
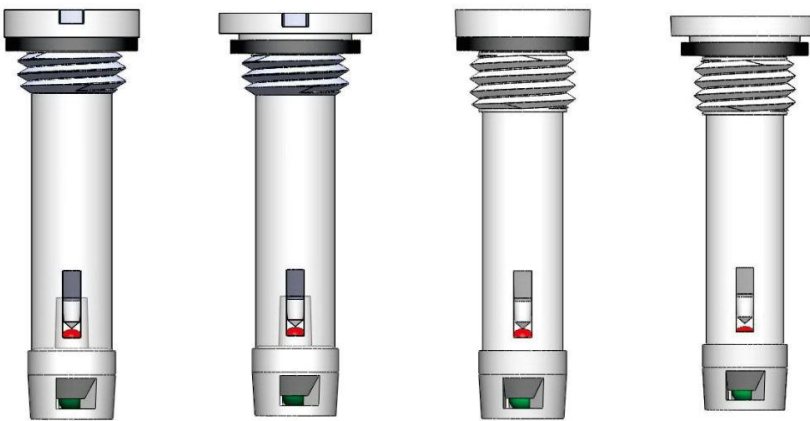
K1 Series

Model No.	Head Diameter D(mm)	Head Thickness h(mm)	Sealing Diameter M(mm)	Sealing Length l(mm)	Length L(mm)	Explanation
K1-A1S2	Φ22.90	2.0	20.77	18	38/40/45/50/52.5/55/57.7/60/ 62.5/65/65.3/68/70/72.5/75	Push in type / straight pole / 1 ball
K1-A1S3	Φ22.90	2.0	20.77	18		



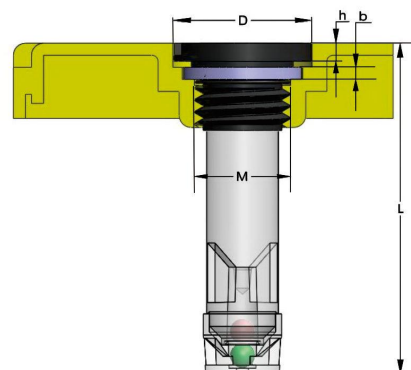
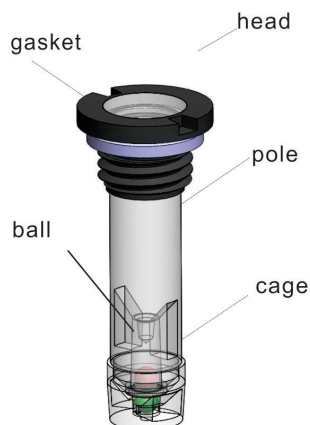
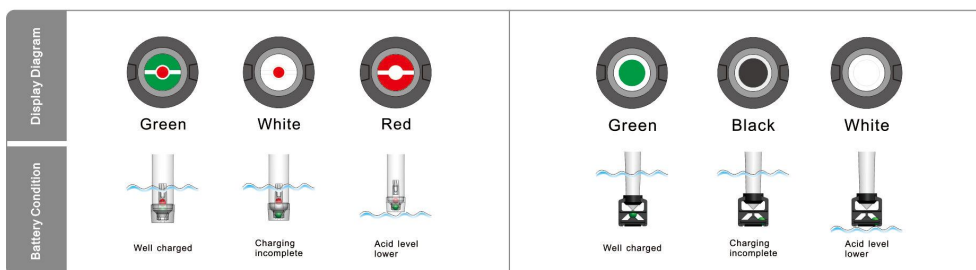
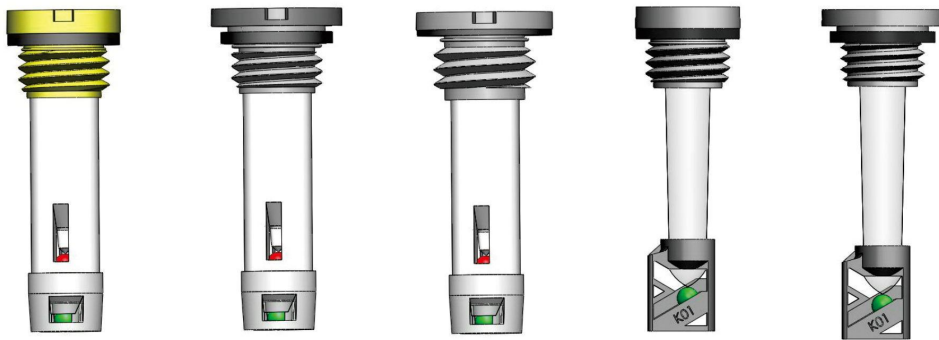
K2 Series

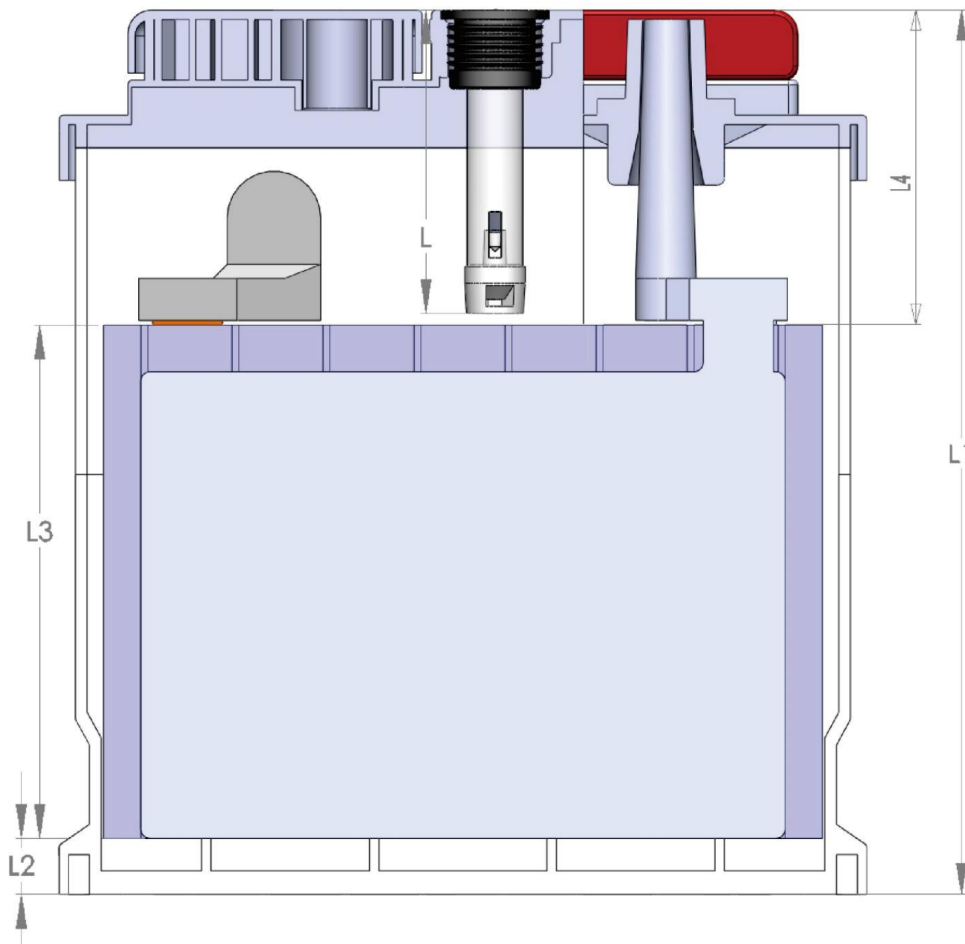
Model No.	Head Diameter D(mm)	Head Thickness sh(mm)	Sealing Diameter M(mm)	Sealing Length b(mm)	Screw Pitch P(mm)	Length L (mm)	Explanation
K2-A1	Φ20.50	4.0	16	2	2.0	45/50/55/60/62.5/65/70/ 72.5/75	Transparent head with screw / 2 balls / notch type
K2-A2	Φ20.50	4.0	15	2	1.5		
K2-A3	Φ23.00	3.0	16	2.6	2.0		
K2-A4	Φ23.00	3.0	15	2.6	1.5		
K2-B1	Φ20.50	4.0	16	2	2.0	40/45/50/55/60/65/70/ 72.5/75	Transparent head with screw / 2 balls / coin type
K2-B2	Φ23.00	3.0	18	1.6	2.5		
K2-B3	Φ23.00	3.0	16	2.6	2.0		
K2-B4	Φ24.00	3.0	18	2.5	2.5		
K2-B5	Φ23.00	3.0	15	2.6	1.5		



K3 Series

Model No.	Head Diameter rD(mm)	Head Thickness h(mm)	Sealing Diameter M(mm)	Sealing Length b(mm)	Screw Pitch P(mm)	Length L(mm)	Explanation
K3-A1	Φ20.50	4.0	16	2.0	2.0	45/50/55/60/62.5/65/70/ 72.5/75	Plastic head with screw / 2 balls
K3-A2	Φ20.50	4.0	15	2.0	1.5		
K3-B1	Φ23.00	3.0	16	2.0	2.0		
K3-B2	Φ23.00	3.0	15	2.0	1.5		
K3-C1	Φ24.00	3.0	18	1.2	2.5		
K3-D1	Φ20.50	4.0	16	2.0	2.0	40/45/50/52.5/55/57.5/60/ 62.5/65/68/70/72.5/75	Plastic head with screw / straight pole / 1 ball
K3-D2	Φ20.50	4.0	15	2.0	1.5		
K3-E1	Φ23.00	3.0	16	2.0	2.0		





L. battery indicator length

L1. battery total length after sealing

L2. height for battery bottom hold-down

L3. separator height

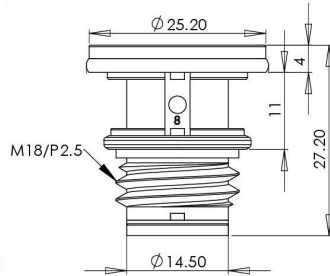
L4. battery cover to separator height

Battery indicator length options:

$$L = L4 - (1 - 3\text{mm})$$

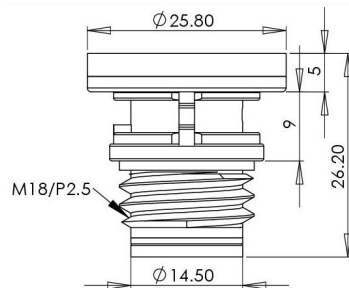
K5-Series Car Battery Safety Valve

K5-A2



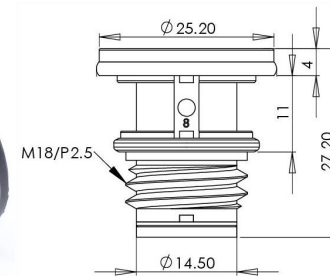
opening pressure (kpa)	closing pressure (kpa)
8~14	>6
10~16	>8
14~20	>10

K5-A3



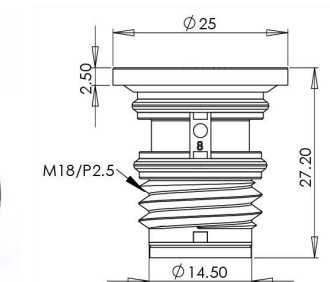
opening pressure (kpa)	closing pressure (kpa)
8~14	>6
10~16	>8
14~20	>10

K5-A4



opening pressure (kpa)	closing pressure (kpa)
8~14	>6
10~16	>8
14~20	>10

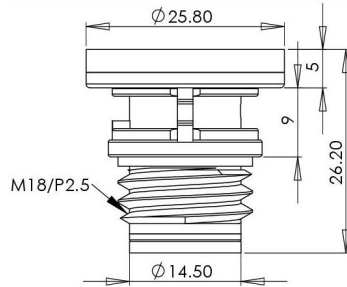
K5-A5



opening pressure (kpa)	opening pressure (kpa)
8~14	>6
10~16	>8
14~20	>10

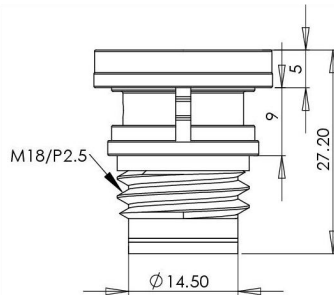
K5-Series Car Battery Safety Valve

K5-A6



opening pressure (kpa)	closing pressure (kpa)
8~14	>6
10~16	>8
14~20	>10

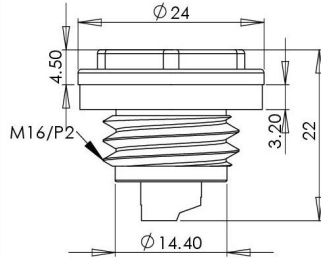
K5-A7



opening pressure (kpa)	closing pressure (kpa)
8~14	>6
10~16	>8
14~20	>10

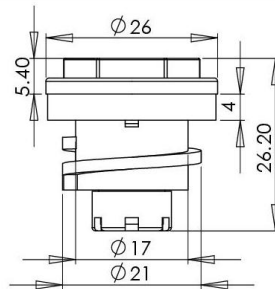
K6-Series Industrial Battery Safety Valve

K6-01



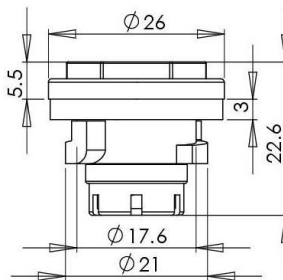
opening pressure (kpa)	closing pressure (kpa)
8~14	>6
10~15	>8
14~20	>10
15~25	>12

K6-02



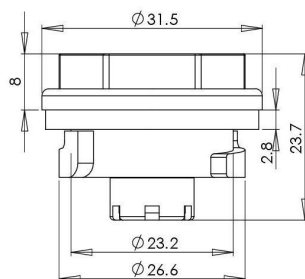
opening pressure (kpa)	closing pressure (kpa)
8~14	>6
10~15	>8
14~20	>10
15~25	>12

K6-03



opening pressure (kpa)	closing pressure (kpa)
8~14	>6
10~15	>8
14~20	>10
15~25	>12

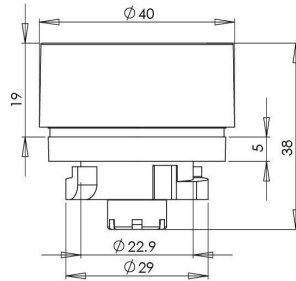
K6-04



opening pressure (kpa)	opening pressure (kpa)
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10~15	>8
14~20	>10
15~25	>12

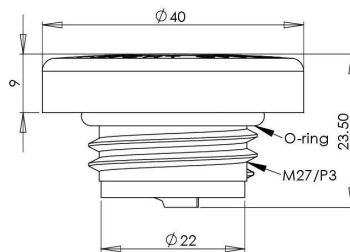
K6-Series Industrial Battery Safety Valve

K6-17



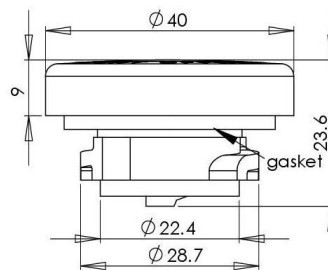
opening pressure (kpa)	closing pressure (kpa)
8~14	>6
10~15	>8
14~20	>10
15~25	>12

K6-18



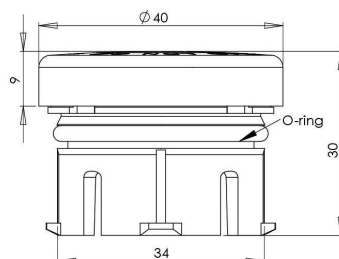
opening pressure (kpa)	closing pressure (kpa)
8~14	>6
10~15	>8
14~20	>10
15~25	>12

K6-19



opening pressure (kpa)	closing pressure (kpa)
8~14	>6
10~15	>8
14~20	>10
15~25	>12

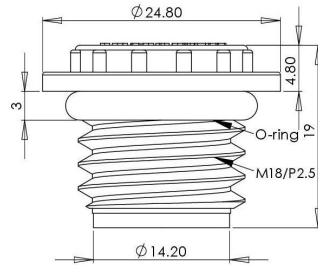
K6-20



opening pressure (kpa)	closing pressure (kpa)
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10~15	>8
14~20	>10
15~25	>12

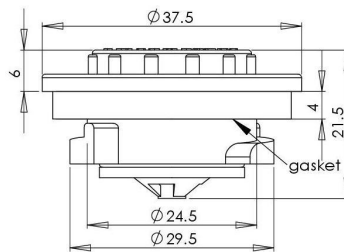
K6-Series Industrial Battery Safety Valve

K6-23



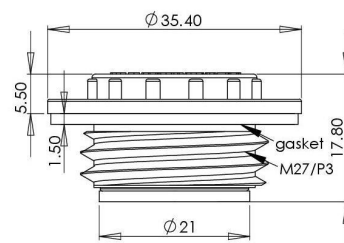
opening pressure (kpa)	closing pressure (kpa)
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10~15	>8
14~20	>10
15~25	>12

K6-24



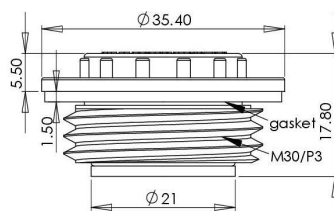
opening pressure (kpa)	closing pressure (kpa)
8~14	>6
10~15	>8
14~20	>10
15~25	>12

K6-25



opening pressure (kpa)	closing pressure (kpa)
8~14	>6
10~15	>8
14~20	>10
15~25	>12

K6-26



opening pressure (kpa)	closing pressure (kpa)
8~14	>6
10~15	>8
14~20	>10
15~25	>12



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