



A Leading Brand in Intelligent Fluid Control Solutions

Very Powerful  
Unrivalled



First in the world

## AHF2K Series <sup>NEW</sup> Battery cell clamp



130mm long stroke



High Rigidity



Compact Size



Built-in Cushion

First in  
the world



**130mm**

Long stroke

Installation  
space reduced by

**30%**

**8 times**

torque increase compared  
to similar products

**High rigidity**

Multiple bore sizes: 16, 20mm

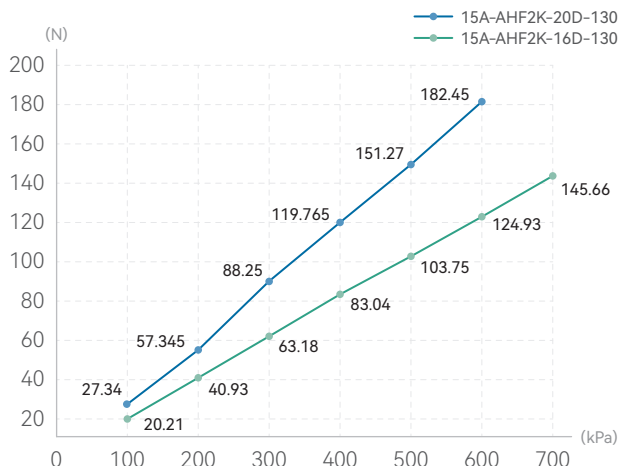
**Copper-free**

requirement Designed for the lithium  
battery industry

## Performance Specifications

| Parameter                                                | Bore Size                     |          | Description                                                            |
|----------------------------------------------------------|-------------------------------|----------|------------------------------------------------------------------------|
|                                                          | Ø20                           | Ø16      |                                                                        |
| Allowable pitching moment $M_p$                          | 44N·m                         | 24.8N·m  | Torque on the central plane between two guide rails                    |
| Allowable deflection moment $M_y$                        | 53N·m                         | 24.8N·m  | Torque on the plane of the two guide rail grooves                      |
| Allowable rotational moment $M_r$                        | 90N·m                         | 40.6N·m  | Torque perpendicular to the plane of the two guide rail grooves        |
| CT value (at 0.4 MPa)                                    | <300ms                        | <300ms   | Opening or closing movement time                                       |
| Max. vertical static load                                | 490N                          | 270N     | -                                                                      |
| Max. allowable internal cushion kinetic energy           | 0.18J                         | 0.18J    | If kinetic energy exceeds this value, an external cushion is required  |
| Max. allowable external cushion kinetic energy (opening) | 0.08J                         | 0.08J    | optional M10*1.0 hydraulic shock absorber if energy exceeds this value |
| Air inlet method                                         | Bottom (default) and end face | End face | -                                                                      |

## Gripping Force Curve Chart



## Related Products



M-ASP Pilot-operated Throttle Valve



M-AS-FG Throttle Valve

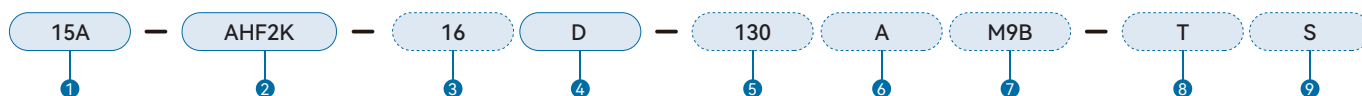


PVE Series Electric Proportional Valve



5V 5-Port Directional Solenoid Valve

## Model Selection



| ① Copper-Free Series                                                                              | ② Series                                                                                                                              | ③ Bore Size | ④ Actuation Method                                                                           | ⑤ Stroke                   |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------|----------------------------|
| 15A                                                                                               | AHF2K                                                                                                                                 | 16<br>20    | D:Double-acting                                                                              | 130mm                      |
| ⑥ Cushion Type                                                                                    | ⑦ Magnetic Switch Model                                                                                                               |             | ⑧ Magnetic Switch Type                                                                       | ⑨ Magnetic Switch Quantity |
| Blank: External rubber cushion (opening stroke)<br>A: External hydraulic cushion (opening stroke) | No mark: Without magnetic switch<br>M9B: 2-wire magnetic switch<br>M9N: 3-wire NPN magnetic switch<br>M9P: 3-wire PNP magnetic switch |             | Blank: Standard type (not suitable for cable carrier)<br>T: Cable suitable for cable carrier | No mark: 2 pcs<br>S: 1 pc  |

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