



## Top 10 Selection Tips For Air Filter Regulator



NO.	Parameter Classification	Option	Description
1	Brand requirements for air filter regulator	<ol style="list-style-type: none"><li>1) Manufacturer's choice;</li><li>2) SMC;</li><li>3) Norgren;</li><li>4) ASCO;</li><li>5) Rotork(YTC);</li><li>6) Other specified brands.</li></ol>	This should be chosen based on actual requirements
2	Main material	<ol style="list-style-type: none"><li>1) Plastic;</li><li>2) Cast aluminum;</li><li>3) Stainless steel;</li><li>4) Other materials.</li></ol>	This should be chosen based on actual requirements. Note: The main material is generally metal; plastic is rare.
3	Cup material	<ol style="list-style-type: none"><li>1) Plastic;</li><li>2) Cast aluminum;</li><li>3) Stainless steel;</li><li>4) Other materials.</li></ol>	This should be chosen based on actual requirements. Note: Many manufacturers offer plastic options for cup material, so be sure to pay attention to the real needs.



## Top 10 Selection Tips For Air Filter Regulator



4	Air port size	<ol style="list-style-type: none"><li>1) 1/4";</li><li>2) 1/2";</li><li>3) 3/4";</li><li>4) 1";</li><li>5) Other optional sizes.</li></ol>	This should be chosen based on actual requirements and calculations.
5	Maximum pressure capacity	<ol style="list-style-type: none"><li>1) Not less than 10 bar;</li><li>2) Not less than 7 bar;</li><li>3) Other special requirements.</li></ol>	Common air filter regulator typically have a body pressure capacity of more than 10 bar, but some manufacturers only have 7-8 bar, so it's best to pay attention to this parameter when selecting to avoid issues on site.
5	Determination of air flow rate (CV value)	There are many options available, each manufacturer, each brand, each size is different.	This should be chosen based on actual requirements and calculations.



## Top 10 Selection Tips For Air Filter Regulator



6	Filtration precision	<ol style="list-style-type: none"><li>1) 5 microns;</li><li>2) 25 microns;</li><li>3) 40/50 microns;</li><li>4) Other options.</li></ol>	This should be chosen based on actual requirements.
7	Drainage option	<ol style="list-style-type: none"><li>1) Automatic drainage;</li><li>2) Manual drainage;</li><li>3) Other special requirements.</li></ol>	This should be chosen based on actual requirements.
8	Does it come with a pressure gauge?	<ol style="list-style-type: none"><li>1) With gauge;</li><li>2) Without gauge.</li></ol>	Theoretically, a pressure gauge is essential. However, to reduce the total costs, manufacturers may only quote the price of the air filter regulator body without the price of the pressure gauge. If the purchaser does not check carefully, they might underquote the customer, especially if the customer actually needs a gauge. So be sure to pay attention to this unless the customer explicitly states they do not need a pressure gauge.



## Top 10 Selection Tips For Air Filter Regulator



9	Material of the pressure gauge?	<ol style="list-style-type: none"><li>1) Aluminum case;</li><li>2) Stainless steel case;</li><li>3) Other special cases.</li></ol>	
10	Requirements for ambient temperature	<ol style="list-style-type: none"><li>1) No low temperature required, normal ambient temperature;</li><li>2) Low temperature required, not lower than <math>-20^{\circ}\text{C}</math>;</li><li>3) Low temperature required, not lower than <math>-40^{\circ}\text{C}</math>;</li><li>4) Low temperature required, not lower than <math>-60^{\circ}\text{C}</math>;</li><li>5) High temperature required, please list the high temperatures;</li><li>6) Please specify other special ambient temperatures.</li></ol>	Attention must be paid to temperature because the choice of model and series of limit switches from different manufacturers based on temperature varies greatly, as does the price. Therefore, when selecting, one must first determine the limit switch's requirements for ambient temperature.