HV pneumatic direct-acting piston actuator



Product features

>Unique stepped cylinder body design achieves higher power density;

>High stiffness springs and wide range configuration for smooth operation and quick response;

>Achieves durable and smooth motion system through integrated wear resistance, low friction, and long-lasting lubrication; >Comprehensive protection and corrosion resistance to meet harsh environments such as petrochemical and chemical industries;
>Provides flexible options for side mounting and hydraulic handwheel.

Technical parameters and performance

Series	HV
Type	Pneumatic direct-acting piston actuator
Model	HV21, HV31, HV41, HV51, HV61, HV71, HV81, HV91, HV101, HV62, HV72, HV82, HV92
Outer diameter	Φ200 to Φ950
Output force	2000~500000N
Stroke	14.3~300mm
Air source pressure	300~700kPa
Spring range	100~200kPa to 200~350kPa
Air source interface	NPT1/4, NPT3/8, NPT1/2, NPT3/4, NPT1
Performance	Basic error (with positioner):less than ±1.5% of full stroke | Hysteresis (with positioner):less than 1.5% of full stroke
Ambient temperature	Standard type -20∽+80℃
	High temperature type -15∽+120℃
	Low temperature type -40∽+80℃
	Ultra-low temperature -52∽+70℃
Material	Cylinder—20# hot rolled seamless steel pipe, Q355NF
	Piston—Q235, Q355NF
	Push rod—630
	Bracket—WCB, LCC
	Sealing ring—Nitrile rubber NBR, low temperature nitrile rubber NBR, fluororubber FKM, silicone rubber VMQ
	Push rod—304, 420, 630
	Bracket—WCB, LCC
Surface coating	Painted, light gray (RAL7035)