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Quality serves the world, creates a centurial HUAYUN

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Huayun official website



Huayun fluid machinery

Huayun Pinch Valve Product Manual

www.hospump.com

Hefei Huayun Machinery Manufacturing Co.,Ltd



Company introduction

Hefei Huayun Machinery Manufacturing Co., Ltd. was founded in 1995. It is a research and development and production enterprise that provides hose pump and pinch valve solutions worldwide. Hefei Huayun has wholly-owned subsidiaries in Chicago, the United States and Mumbai, India. The headquarters in China has a 15,000-square-meter modern factory building and has proprietary structures and formulas for producing hoses of various materials for hose pumps and pinch valve sleeves. Hefei Huayun has top hose pump-related core patent technologies in China, the United States, and India (China Invention Patent No.: ZL 2023 1 1558788.3; ZL 2017 1 0146816.9; ZL 2017 1 0146817.3; US Invention Patent No.: US 11,384,750 B2; Indian Invention Patent No.: 485762). It is the main drafting unit of China's hose pump industry standard GB/T12753-2015.

With decades of experience in the hose pump industry and the mastery of the core formula of hoses, Hefei Huayun has independently developed a series of pinch valve products with size covering DN25-DN800 and pressure ranges covering 0-2.5MPa. It currently has two patents related to pinch valves (patent numbers: ZL 2024 2 0930158.8; ZL 2024 2 0932011.2). Huayun pinch valves have successfully replaced internationally renowned brands in some domestic and foreign projects, and gradually become an international first-line brand of pinch valves.

With outstanding R&D capabilities and high-quality service concepts, Hefei Huayun can provide hose pumps and pinch valve products with a wider size and pressure range, and can design different pumping and fluid control solutions according to different working conditions, truly solving various problems encountered by customers in the process of pumping and fluid control.

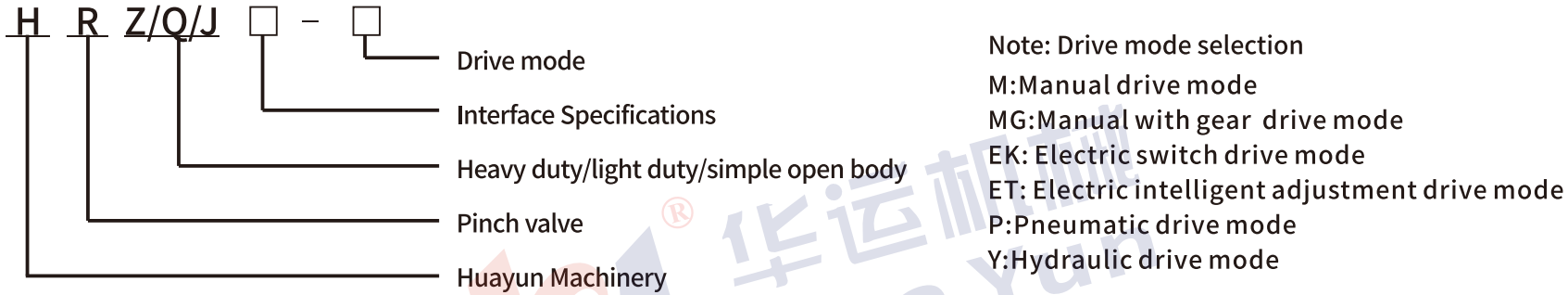
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Product Introduction

- 1.Hefei Huayun Machinery pinch valve has a multi-purpose function. It can replace gate valves, stop valves, and ball valves to achieve the functions of switching and adjusting the opening size.
- 2.The valve body is equipped with hoses made of different rubbers, which can withstand the transportation of various concentrations of acid, alkali, salt solutions, oils, slurries, food and pharmaceutical media, and semi-fluid media.
- 3.Its working principle is to squeeze the internal hose through manual, electric, pneumatic and other driving methods to achieve the function of switching/adjustment.
- 4.This valve has the best sealing performance, no leakage, and high wear resistance. It has been proven to be a popular valve by users in various industries for many years, and it is also an ideal energy-saving product for replacement.



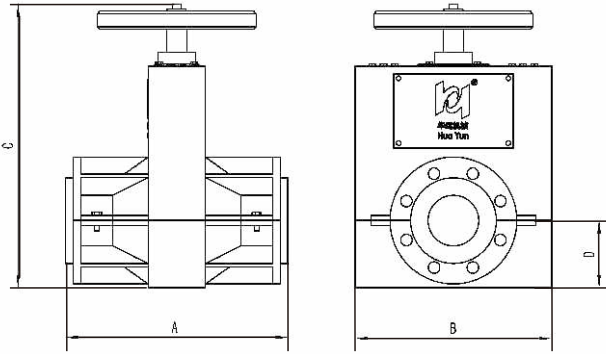
Indication



For example:
HRZ200-ET means: Huayun mechanical pinch valve heavy duty DN200 drive mode is electric intelligent adjustment drive
HRQ150-P means: Huayun mechanical pinch valve light duty DN150 drive mode is pneumatic drive
HRJ100-M means: Huayun mechanical pinch valve simple open body DN100 drive mode is handwheel drive
HRJ80-Y means: Huayun mechanical pinch valve simple open body DN80 drive mode is hydraulic drive

Product Parameters

Huayun HRZ (heavy duty) pinch valve manual handwheel type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRZ25-M	DN25	0-2.5	-40°C~+100°C	190	200	300	65	Manual type
HRZ32-M	DN32	0-2.5	-40°C~+100°C	210	210	310	76	Manual type
HRZ50-M	DN50	0-2.5	-40°C~+100°C	212	230	341	86	Manual type
HRZ65-M	DN65	0-2.5	-40°C~+100°C	300	280	403	98	Manual type
HRZ80-M	DN80	0-2.5	-40°C~+100°C	350	310	447	106	Manual type
HRZ100-M	DN100	0-2.5	-40°C~+100°C	434	340	509	126	Manual type
HRZ125-M	DN125	0-2.5	-40°C~+100°C	460	390	540	142	Manual type
HRZ150-M	DN150	0-2.5	-40°C~+100°C	375	430	580	163	Manual type
HRZ200-M	DN200	0-2.5	-40°C~+100°C	505	515	648	190	Manual type
HRZ250-M	DN250	0-2.5	-40°C~+100°C	640	581	747	234	Manual type
HRZ300-M	DN300	0-2.5	-40°C~+100°C	750	655	834	270	Manual type

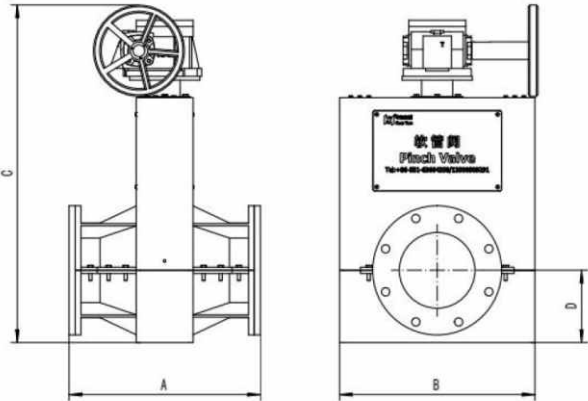


Note: The table is a standard model and can be customized



Product Parameters

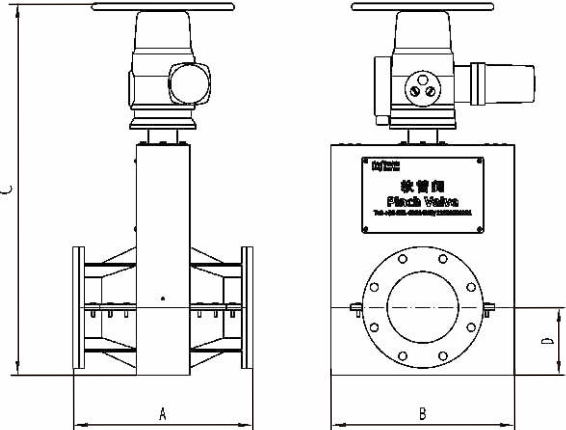
Huayun HRZ (heavy duty) pinch valve manual gearbox type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRZ125-MG	DN125	0-2.5	-40°C~+100°C	460	390	950	142	Manual with gear
HRZ150-MG	DN150	0-2.5	-40°C~+100°C	375	430	990	163	Manual with gear
HRZ200-MG	DN200	0-2.5	-40°C~+100°C	505	515	1060	190	Manual with gear
HRZ250-MG	DN250	0-2.5	-40°C~+100°C	640	581	1120	234	Manual with gear
HRZ300-MG	DN300	0-2.5	-40°C~+100°C	750	655	1190	270	Manual with gear
HRZ350-MG	DN350	0-2.5	-40°C~+100°C	890	1090	1260	320	Manual with gear
HRZ400-MG	DN400	0-2.5	-40°C~+100°C	1090	1110	1320	340	Manual with gear
HRZ450-MG	DN450	0-2.5	-40°C~+100°C	1120	1160	1390	390	Manual with gear
HRZ500-MG	DN500	0-2.5	-40°C~+100°C	1240	1240	1430	440	Manual with gear
HRZ600-MG	DN600	0-2.5	-40°C~+100°C	1450	1390	1520	510	Manual with gear
HRZ700-MG	DN700	0-2.5	-40°C~+100°C	1660	1510	1650	560	Manual with gear
HRZ800-MG	DN800	0-2.5	-40°C~+100°C	1880	1680	1730	610	Manual with gear



Note: The table is a standard model and can be customized

Product Parameters

Huayun HRZ (heavy duty) pinch valve electric type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRZ25-EK	DN25	0-2.5	-40°C~+100°C	180	190	514	60	Electric switch type
HRZ25-ET	DN25	0-2.5	-40°C~+100°C	180	190	514	60	Electric adjustment type
HRZ32-EK	DN32	0-2.5	-40°C~+100°C	210	210	605	76	Electric switch type
HRZ32-ET	DN32	0-2.5	-40°C~+100°C	210	210	605	76	Electric adjustment type
HRZ50-EK	DN50	0-2.5	-40°C~+100°C	212	230	630	86	Electric switch type
HRZ50-ET	DN50	0-2.5	-40°C~+100°C	212	230	630	86	Electric adjustment type
HRZ65-EK	DN65	0-2.5	-40°C~+100°C	300	280	694	98	Electric switch type
HRZ65-ET	DN65	0-2.5	-40°C~+100°C	300	280	694	98	Electric adjustment type
HRZ80-EK	DN80	0-2.5	-40°C~+100°C	350	310	720	106	Electric switch type
HRZ80-ET	DN80	0-2.5	-40°C~+100°C	350	310	720	106	Electric adjustment type
HRZ100-EK	DN100	0-2.5	-40°C~+100°C	434	340	794	126	Electric switch type
HRZ100-ET	DN100	0-2.5	-40°C~+100°C	434	340	794	126	Electric adjustment type
HRZ125-EK	DN125	0-2.5	-40°C~+100°C	460	390	847	142	Electric switch type
HRZ125-ET	DN125	0-2.5	-40°C~+100°C	460	390	847	142	Electric adjustment type
HRZ150-EK	DN150	0-2.5	-40°C~+100°C	375	430	935	163	Electric switch type
HRZ150-ET	DN150	0-2.5	-40°C~+100°C	375	430	935	163	Electric adjustment type
HRZ200-EK	DN200	0-2.5	-40°C~+100°C	505	515	1043	190	Electric switch type
HRZ200-ET	DN200	0-2.5	-40°C~+100°C	505	515	1043	190	Electric adjustment type

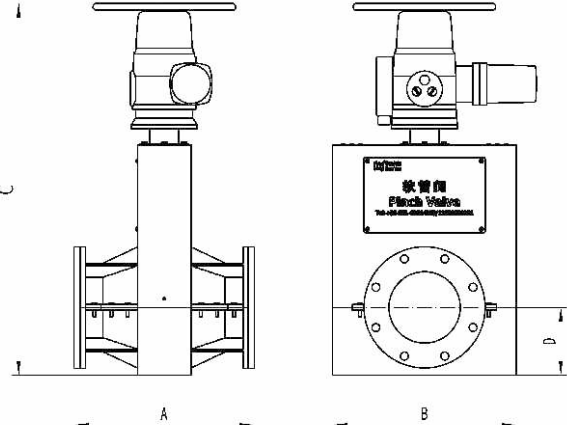


Note: The table is a standard model and can be customized



Product Parameters

Huayun HRZ (heavy duty) pinch valve electric type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRZ250-EK	DN250	0-2.5	-40°C~+100°C	640	581	1152	234	Electric switch type
HRZ250-ET	DN250	0-2.5	-40°C~+100°C	640	581	1152	234	Electric adjustment type
HRZ300-EK	DN300	0-2.5	-40°C~+100°C	750	655	1246	270	Electric switch type
HRZ300-ET	DN300	0-2.5	-40°C~+100°C	750	655	1246	270	Electric adjustment type
HRZ350-EK	DN350	0-2.5	-40°C~+100°C	890	1090	1690	320	Electric switch type
HRZ350-ET	DN350	0-2.5	-40°C~+100°C	890	1090	1690	320	Electric adjustment type
HRZ400-EK	DN400	0-2.5	-40°C~+100°C	1090	1110	1780	340	Electric switch type
HRZ400-ET	DN400	0-2.5	-40°C~+100°C	1090	1110	1780	340	Electric adjustment type
HRZ450-EK	DN450	0-2.5	-40°C~+100°C	1120	1160	1830	390	Electric switch type
HRZ450-ET	DN450	0-2.5	-40°C~+100°C	1120	1160	1830	390	Electric adjustment type
HRZ500-EK	DN500	0-2.5	-40°C~+100°C	1240	1240	1895	440	Electric switch type
HRZ500-ET	DN500	0-2.5	-40°C~+100°C	1240	1240	1895	440	Electric adjustment type
HRZ600-EK	DN600	0-2.5	-40°C~+100°C	1450	1390	1950	510	Electric switch type
HRZ600-ET	DN600	0-2.5	-40°C~+100°C	1450	1390	1950	510	Electric adjustment type
HRZ700-EK	DN700	0-2.5	-40°C~+100°C	1660	1510	2120	560	Electric switch type
HRZ700-ET	DN700	0-2.5	-40°C~+100°C	1660	1510	2120	560	Electric adjustment type
HRZ800-EK	DN800	0-2.5	-40°C~+100°C	1880	1680	2220	610	Electric switch type
HRZ800-ET	DN800	0-2.5	-40°C~+100°C	1880	1680	2220	610	Electric adjustment type

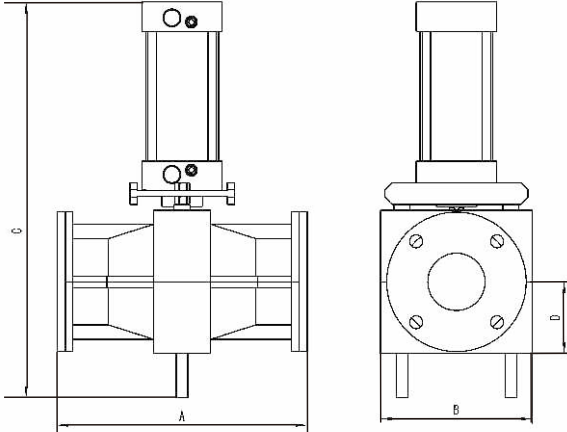


Note: The table is a standard model and can be customized



Product Parameters

Huayun HRZ (heavy duty) pinch valve pneumatic type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRZ25-P	DN25	0-2.5	-40°C~+100°C	190	200	400	65	Pneumatic type
HRZ32-P	DN32	0-2.5	-40°C~+100°C	210	210	480	76	Pneumatic type
HRZ50-P	DN50	0-2.5	-40°C~+100°C	212	230	574	86	Pneumatic type
HRZ65-P	DN65	0-2.5	-40°C~+100°C	300	280	645	98	Pneumatic type
HRZ80-P	DN80	0-2.5	-40°C~+100°C	350	310	694	106	Pneumatic type
HRZ100-P	DN100	0-2.5	-40°C~+100°C	434	340	748	126	Pneumatic type
HRZ125-P	DN125	0-2.5	-40°C~+100°C	460	390	781	142	Pneumatic type
HRZ150-P	DN150	0-2.5	-40°C~+100°C	375	430	887	163	Pneumatic type
HRZ200-P	DN200	0-2.5	-40°C~+100°C	505	515	997	190	Pneumatic type
HRZ250-P	DN250	0-2.5	-40°C~+100°C	640	581	1130	234	Pneumatic type
HRZ300-P	DN300	0-2.5	-40°C~+100°C	750	655	1243	270	Pneumatic type
HRZ350-P	DN450	0-2.5	-40°C~+100°C	890	1090	1310	320	Pneumatic type
HRZ400-P	DN400	0-2.5	-40°C~+100°C	1090	1110	1380	340	Pneumatic type

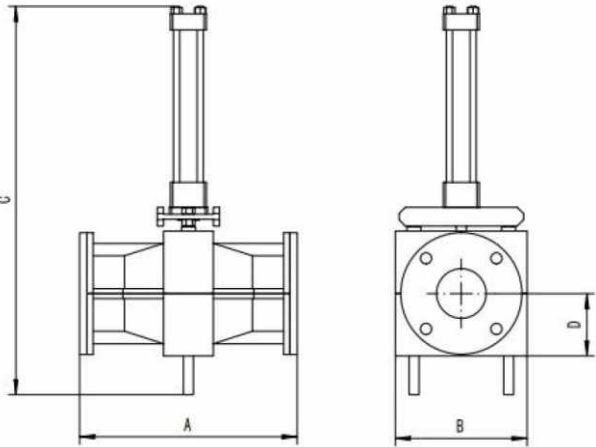


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Product Parameters

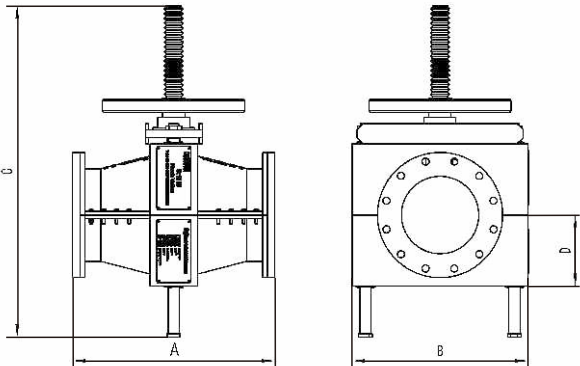
Huayun HRZ (heavy duty) pinch valve hydraulic type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRZ25-Y	DN25	0-2.5	-40°C~+100°C	190	200	450	75	Hydraulic
HRZ32-Y	DN32	0-2.5	-40°C~+100°C	210	210	520	85	Hydraulic
HRZ50-Y	DN50	0-2.5	-40°C~+100°C	212	230	600	95	Hydraulic
HRZ65-Y	DN65	0-2.5	-40°C~+100°C	300	280	670	120	Hydraulic
HRZ80-Y	DN80	0-2.5	-40°C~+100°C	350	310	710	130	Hydraulic
HRZ100-Y	DN100	0-2.5	-40°C~+100°C	434	340	780	145	Hydraulic
HRZ125-Y	DN125	0-2.5	-40°C~+100°C	460	390	830	160	Hydraulic
HRZ150-Y	DN150	0-2.5	-40°C~+100°C	475	430	910	180	Hydraulic
HRZ200-Y	DN200	0-2.5	-40°C~+100°C	505	515	1180	210	Hydraulic
HRZ250-Y	DN250	0-2.5	-40°C~+100°C	640	581	1260	234	Hydraulic
HRZ300-Y	DN300	0-2.5	-40°C~+100°C	750	655	1290	290	Hydraulic
HRZ350-Y	DN350	0-2.5	-40°C~+100°C	890	1090	1360	320	Hydraulic
HRZ400-Y	DN400	0-2.5	-40°C~+100°C	1090	1110	1410	340	Hydraulic
HRZ450-Y	DN450	0-2.5	-40°C~+100°C	1120	1160	1460	390	Hydraulic
HRZ500-Y	DN500	0-2.5	-40°C~+100°C	1240	1240	1510	440	Hydraulic
HRZ600-Y	DN600	0-2.5	-40°C~+100°C	1450	1390	1620	510	Hydraulic
HRZ700-Y	DN700	0-2.5	-40°C~+100°C	1660	1510	1710	560	Hydraulic
HRZ800-Y	DN800	0-2.5	-40°C~+100°C	1880	1680	1810	610	Hydraulic



Note: The table is a standard model and can be customized

Product Parameters

Huayun HRQ (light duty) pinch valve manual handwheel type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRQ25-M	DN25	0-1.6	-40°C~+100°C	190	185	379	61	Manual type
HRQ32-M	DN32	0-1.6	-40°C~+100°C	210	195	392	70	Manual type
HRQ50-M	DN50	0-1.6	-40°C~+100°C	212	210	407	95	Manual type
HRQ65-M	DN65	0-1.6	-40°C~+100°C	300	275	472	115	Manual type
HRQ80-M	DN80	0-1.6	-40°C~+100°C	350	290	519	125	Manual type
HRQ100-M	DN100	0-1.6	-40°C~+100°C	434	327	579	135	Manual type
HRQ125-M	DN125	0-1.6	-40°C~+100°C	460	370	637	150	Manual type
HRQ150-M	DN150	0-1.6	-40°C~+100°C	375	415	718	163	Manual type
HRQ200-M	DN200	0-1.6	-40°C~+100°C	505	497	898	200	Manual type
HRQ250-M	DN250	0-1.6	-40°C~+100°C	640	555	1057	225	Manual type
HRQ300-M	DN300	0-1.6	-40°C~+100°C	750	610	1120	278	Manual type

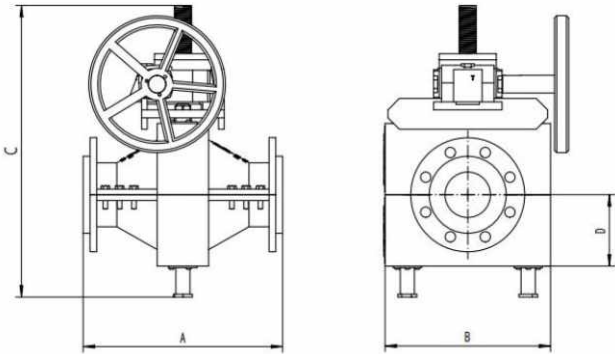


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Product Parameters

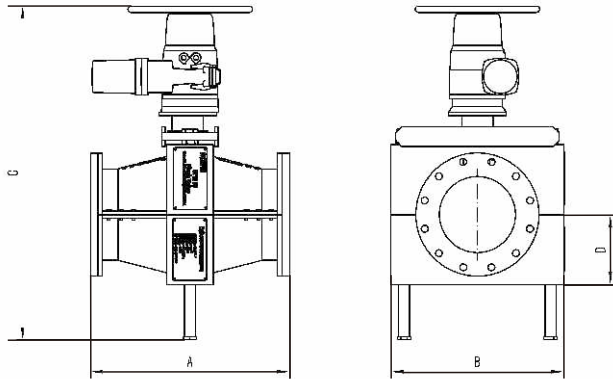
Huayun HRQ (light duty) pinch valve manual gearbox type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRQ125-MG	DN125	0-1.6	-40°C~+100°C	460	370	940	150	Manual with gear
HRQ150-MG	DN150	0-1.6	-40°C~+100°C	375	415	980	163	Manual with gear
HRQ200-MG	DN200	0-1.6	-40°C~+100°C	505	497	1050	200	Manual with gear
HRQ250-MG	DN250	0-1.6	-40°C~+100°C	640	555	1110	225	Manual with gear
HRQ300-MG	DN300	0-1.6	-40°C~+100°C	750	610	1180	278	Manual with gear
HRQ350-MG	DN350	0-1.6	-40°C~+100°C	890	1040	1250	270	Manual with gear
HRQ400-MG	DN400	0-1.6	-40°C~+100°C	1090	1090	1300	320	Manual with gear
HRQ450-MG	DN450	0-1.6	-40°C~+100°C	1120	1140	1350	370	Manual with gear
HRQ500-MG	DN500	0-1.6	-40°C~+100°C	1240	1190	1400	420	Manual with gear
HRQ600-MG	DN600	0-1.6	-40°C~+100°C	1450	1350	1500	490	Manual with gear
HRQ700-MG	DN700	0-1.6	-40°C~+100°C	1660	1490	1600	540	Manual with gear
HRQ800-MG	DN800	0-1.6	-40°C~+100°C	1880	1610	1700	590	Manual with gear



Note: The table is a standard model and can be customized

Product Parameters

Huayun HRQ(light duty) pinch valve electric type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRQ25-EK	DN25	0-1.6	-40°C~+100°C	190	185	405	61	Electric switch type
HRQ25-ET	DN25	0-1.6	-40°C~+100°C	190	185	405	61	Electric adjustment type
HRQ32-EK	DN32	0-1.6	-40°C~+100°C	210	195	435	70	Electric switch type
HRQ32-ET	DN32	0-1.6	-40°C~+100°C	210	195	435	70	Electric adjustment type
HRQ50-EK	DN50	0-1.6	-40°C~+100°C	212	210	480	95	Electric switch type
HRQ50-ET	DN50	0-1.6	-40°C~+100°C	212	210	480	95	Electric adjustment type
HRQ65-EK	DN65	0-1.6	-40°C~+100°C	300	275	520	115	Electric switch type
HRQ65-ET	DN65	0-1.6	-40°C~+100°C	300	275	520	115	Electric adjustment type
HRQ80-EK	DN80	0-1.6	-40°C~+100°C	350	290	538	125	Electric switch type
HRQ80-ET	DN80	0-1.6	-40°C~+100°C	350	290	538	125	Electric adjustment type
HRQ100-EK	DN100	0-1.6	-40°C~+100°C	434	327	657	135	Electric switch type
HRQ100-ET	DN100	0-1.6	-40°C~+100°C	434	327	657	135	Electric adjustment type
HRQ125-EK	DN125	0-1.6	-40°C~+100°C	460	370	702	150	Electric switch type
HRQ125-ET	DN125	0-1.6	-40°C~+100°C	460	370	702	150	Electric adjustment type
HRQ150-EK	DN150	0-1.6	-40°C~+100°C	375	415	854	163	Electric switch type
HRQ150-ET	DN150	0-1.6	-40°C~+100°C	375	415	854	163	Electric adjustment type
HRQ200-EK	DN200	0-1.6	-40°C~+100°C	505	497	990	200	Electric switch type
HRQ200-ET	DN200	0-1.6	-40°C~+100°C	505	497	990	200	Electric adjustment type

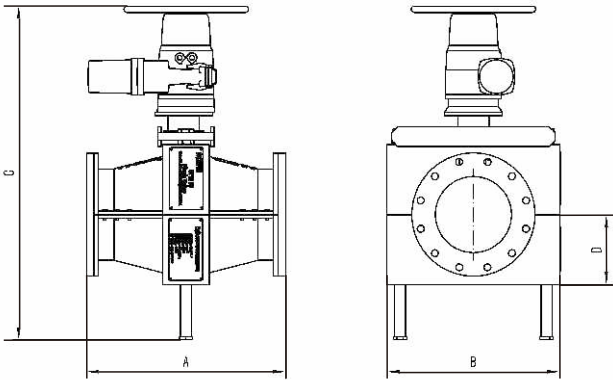


Note: The table is a standard model and can be customized



Product Parameters

Huayun HRQ (light duty) pinch valve electric type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRQ250-EK	DN250	0-1.6	-40°C~+100°C	640	555	1040	225	Electric switch type
HRQ250-ET	DN250	0-1.6	-40°C~+100°C	640	555	1040	225	Electric adjustment type
HRQ300-EK	DN300	0-1.6	-40°C~+100°C	680	610	1540	278	Electric switch type
HRQ300-ET	DN300	0-1.6	-40°C~+100°C	680	610	1540	278	Electric adjustment type
HRQ350-EK	DN350	0-1.6	-40°C~+100°C	890	1040	1670	270	Electric switch type
HRQ350-ET	DN350	0-1.6	-40°C~+100°C	890	1040	1670	270	Electric adjustment type
HRQ400-EK	DN400	0-1.6	-40°C~+100°C	1090	1090	1740	320	Electric switch type
HRQ400-ET	DN400	0-1.6	-40°C~+100°C	1090	1090	1740	320	Electric adjustment type
HRQ450-EK	DN450	0-1.6	-40°C~+100°C	1120	1140	1815	370	Electric switch type
HRQ450-ET	DN450	0-1.6	-40°C~+100°C	1120	1140	1815	370	Electric adjustment type
HRQ500-EK	DN500	0-1.6	-40°C~+100°C	1240	1190	1865	420	Electric switch type
HRQ500-ET	DN500	0-1.6	-40°C~+100°C	1240	1190	1865	420	Electric adjustment type
HRQ600-EK	DN600	0-1.6	-40°C~+100°C	1450	1350	1980	490	Electric switch type
HRQ600-ET	DN600	0-1.6	-40°C~+100°C	1450	1350	1980	490	Electric adjustment type
HRQ700-EK	DN700	0-1.6	-40°C~+100°C	1660	1490	2030	540	Electric switch type
HRQ700-ET	DN700	0-1.6	-40°C~+100°C	1660	1490	2030	540	Electric adjustment type
HRQ800-EK	DN800	0-1.6	-40°C~+100°C	1880	1610	2150	590	Electric switch type
HRQ800-ET	DN800	0-1.6	-40°C~+100°C	1880	1610	2150	590	Electric adjustment type

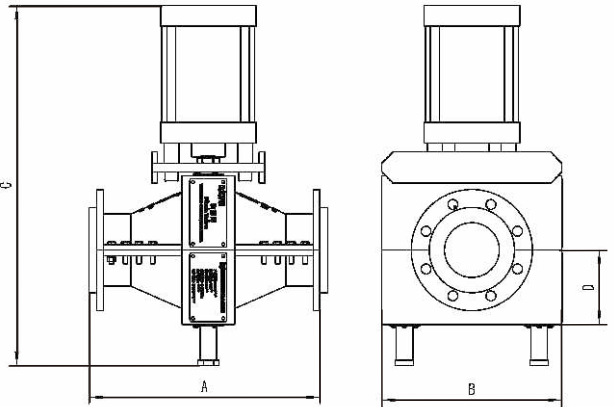


Note: The table is a standard model and can be customized



Product Parameters

Huayun HRQ (light duty) pinch valve pneumatic type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRQ25-P	DN25	0-1.6	-40°C~+100°C	190	185	438	61	Pneumatic type
HRQ32-P	DN32	0-1.6	-40°C~+100°C	210	195	456	70	Pneumatic type
HRQ50-P	DN50	0-1.6	-40°C~+100°C	212	210	482	95	Pneumatic type
HRQ65-P	DN65	0-1.6	-40°C~+100°C	300	275	552	115	Pneumatic type
HRQ80-P	DN80	0-1.6	-40°C~+100°C	350	290	609	125	Pneumatic type
HRQ100-P	DN100	0-1.6	-40°C~+100°C	434	327	655	135	Pneumatic type
HRQ125-P	DN125	0-1.6	-40°C~+100°C	460	370	717	150	Pneumatic type
HRQ150-P	DN150	0-1.6	-40°C~+100°C	375	415	784	163	Pneumatic type
HRQ200-P	DN200	0-1.6	-40°C~+100°C	505	497	1010	200	Pneumatic type
HRQ250-P	DN250	0-1.6	-40°C~+100°C	640	555	1165	225	Pneumatic type
HRQ300-P	DN300	0-1.6	-40°C~+100°C	750	610	1240	278	Pneumatic type
HRQ350-P	DN350	0-1.6	-40°C~+100°C	890	1040	1290	300	Pneumatic type
HRQ400-P	DN400	0-1.6	-40°C~+100°C	1090	1090	1310	320	Pneumatic type

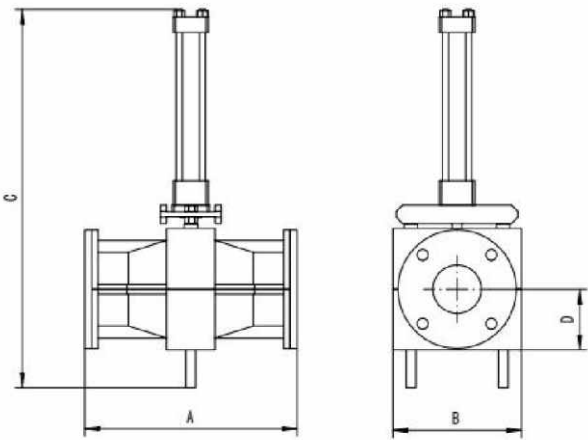


Note: The table is a standard model and can be customized



Product Parameters

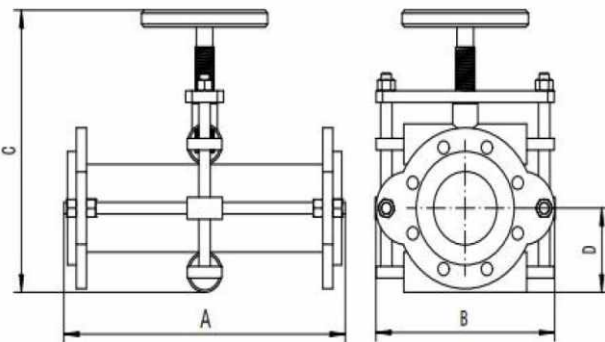
Huayun HRQ (light duty) pinch valve hydraulic type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRQ25-Y	DN25	0-1.6	-40°C~+100°C	190	185	430	61	Hydraulic
HRQ32-Y	DN32	0-1.6	-40°C~+100°C	210	195	450	70	Hydraulic
HRQ50-Y	DN50	0-1.6	-40°C~+100°C	212	210	480	95	Hydraulic
HRQ65-Y	DN65	0-1.6	-40°C~+100°C	300	275	550	115	Hydraulic
HRQ80-Y	DN80	0-1.6	-40°C~+100°C	350	290	600	125	Hydraulic
HRQ100-Y	DN100	0-1.6	-40°C~+100°C	434	327	655	135	Hydraulic
HRQ125-Y	DN125	0-1.6	-40°C~+100°C	460	370	768	150	Hydraulic
HRQ150-Y	DN150	0-1.6	-40°C~+100°C	375	415	830	163	Hydraulic
HRQ200-Y	DN200	0-1.6	-40°C~+100°C	505	497	1036	200	Hydraulic
HRQ250-Y	DN250	0-1.6	-40°C~+100°C	640	555	1180	225	Hydraulic
HRQ300-Y	DN300	0-1.6	-40°C~+100°C	750	610	1240	278	Hydraulic
HRQ350-Y	DN350	0-1.6	-40°C~+100°C	890	1040	1300	270	Hydraulic
HRQ400-Y	DN400	0-1.6	-40°C~+100°C	1090	1090	1350	320	Hydraulic
HRQ450-Y	DN450	0-1.6	-40°C~+100°C	1120	1140	1400	370	Hydraulic
HRQ500-Y	DN500	0-1.6	-40°C~+100°C	1240	1190	1460	420	Hydraulic
HRQ600-Y	DN600	0-1.6	-40°C~+100°C	1450	1350	1580	490	Hydraulic
HRQ700-Y	DN700	0-1.6	-40°C~+100°C	1660	1490	1690	540	Hydraulic
HRQ800-Y	DN800	0-1.6	-40°C~+100°C	1880	1610	1790	590	Hydraulic



Note: The table is a standard model and can be customized

Product Parameters

Huayun HRJ (simple open body) pinch valve manual handwheel type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRJ25-M	DN25	0-1.6	-40°C~+100°C	145	210	311	40	Manual type
HRJ32-M	DN32	0-1.6	-40°C~+100°C	160	225	326	55	Manual type
HRJ50-M	DN50	0-1.6	-40°C~+100°C	180	240	340	70	Manual type
HRJ65-M	DN65	0-1.6	-40°C~+100°C	250	255	356	85	Manual type
HRJ80-M	DN80	0-1.6	-40°C~+100°C	285	270	370	100	Manual type
HRQ100-M	DN100	0-1.6	-40°C~+100°C	355	285	386	115	Manual type
HRJ125-M	DN125	0-1.6	-40°C~+100°C	450	340	446	130	Manual type
HRJ150-M	DN150	0-1.6	-40°C~+100°C	375	400	500	155	Manual type
HRJ200-M	DN200	0-1.6	-40°C~+100°C	505	450	550	205	Manual type
HRJ250-M	DN250	0-1.6	-40°C~+100°C	640	500	600	255	Manual type
HRJ300-M	DN300	0-1.6	-40°C~+100°C	750	550	650	305	Manual type

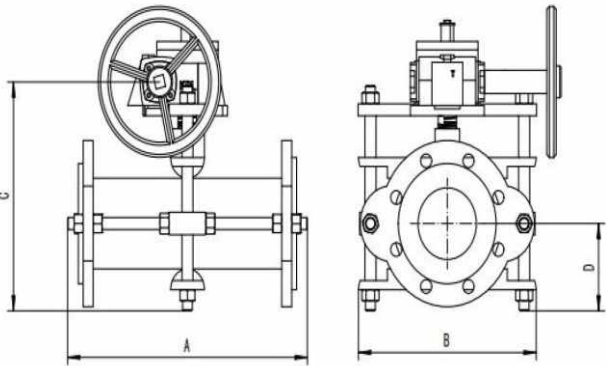


Note: The table is a standard model and can be customized



Product Parameters

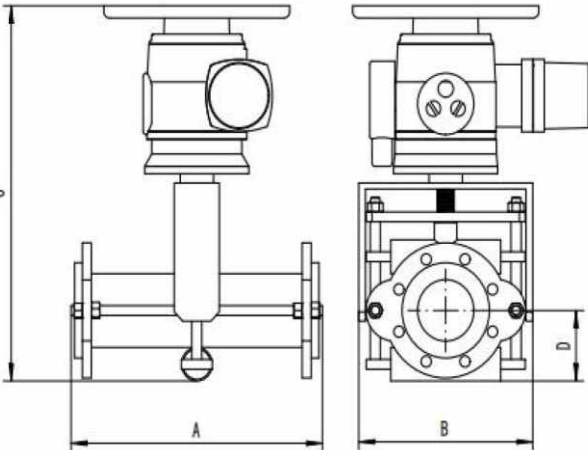
Huayun HRJ (simple open body) pinch valve manual gearbox type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRJ125-MG	DN125	0-1.6	-40°C~+100°C	450	340	475	130	Manual with gear
HRJ150-MG	DN150	0-1.6	-40°C~+100°C	375	400	500	155	Manual with gear
HRJ200-MG	DN200	0-1.6	-40°C~+100°C	505	450	640	205	Manual with gear
HRJ250-MG	DN250	0-1.6	-40°C~+100°C	640	500	700	255	Manual with gear
HRJ300-MG	DN300	0-1.6	-40°C~+100°C	680	540	750	305	Manual with gear
HRJ350-MG	DN350	0-1.6	-40°C~+100°C	890	580	850	410	Manual with gear
HRJ400-MG	DN400	0-1.6	-40°C~+100°C	1090	630	940	460	Manual with gear
HRJ450-MG	DN450	0-1.6	-40°C~+100°C	1120	680	1000	520	Manual with gear
HRJ500-MG	DN500	0-1.6	-40°C~+100°C	1240	730	1090	580	Manual with gear
HRJ600-MG	DN600	0-1.6	-40°C~+100°C	1450	830	1100	690	Manual with gear
HRJ700-MG	DN700	0-1.6	-40°C~+100°C	1660	930	1200	790	Manual with gear
HRJ800-MG	DN800	0-1.6	-40°C~+100°C	1880	1030	1300	890	Manual with gear



Note: The table is a standard model and can be customized

Product Parameters

Huayun HRJ (simple open body) pinch valve electric type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRJ25-EK	DN25	0-1.6	-40°C~+100°C	145	220	515	40	Electric switch type
HRJ25-ET	DN25	0-1.6	-40°C~+100°C	145	220	515	40	Electric adjustment type
HRJ32-EK	DN32	0-1.6	-40°C~+100°C	160	240	530	55	Electric switch type
HRJ32-ET	DN32	0-1.6	-40°C~+100°C	160	240	530	55	Electric adjustment type
HRJ50-EK	DN50	0-1.6	-40°C~+100°C	180	250	555	70	Electric switch type
HRJ50-ET	DN50	0-1.6	-40°C~+100°C	180	250	555	70	Electric adjustment type
HRJ65-EK	DN65	0-1.6	-40°C~+100°C	250	275	575	85	Electric switch type
HRJ65-ET	DN65	0-1.6	-40°C~+100°C	250	275	575	85	Electric adjustment type
HRJ80-EK	DN80	0-1.6	-40°C~+100°C	285	290	590	100	Electric switch type
HRJ80-ET	DN80	0-1.6	-40°C~+100°C	285	290	590	100	Electric adjustment type
HRJ100-EK	DN100	0-1.6	-40°C~+100°C	355	310	612	115	Electric switch type
HRJ100-ET	DN100	0-1.6	-40°C~+100°C	355	310	612	115	Electric adjustment type
HRJ125-EK	DN125	0-1.6	-40°C~+100°C	450	340	645	130	Electric switch type
HRJ125-ET	DN125	0-1.6	-40°C~+100°C	450	340	645	130	Electric adjustment type
HRJ150-EK	DN150	0-1.6	-40°C~+100°C	375	390	680	155	Electric switch type
HRJ150-ET	DN150	0-1.6	-40°C~+100°C	375	390	680	155	Electric adjustment type
HRJ200-EK	DN200	0-1.6	-40°C~+100°C	505	440	740	205	Electric switch type
HRJ200-ET	DN200	0-1.6	-40°C~+100°C	505	440	740	205	Electric adjustment type

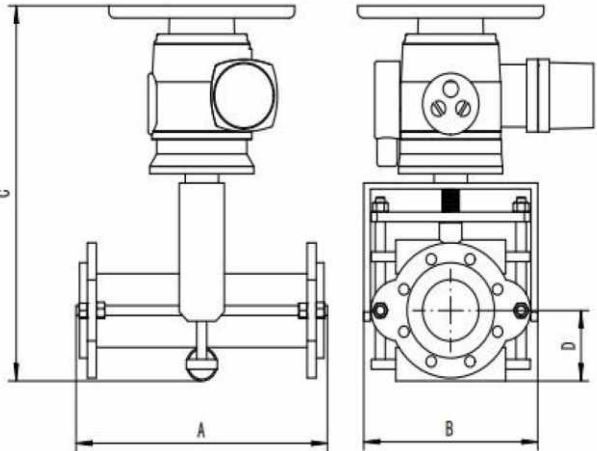


Note: The table is a standard model and can be customized



Product Parameters

Huayun HRJ (simple open body) pinch valve electric type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRJ250-EK	DN250	0-1.6	-40°C~+100°C	640	490	800	255	Electric switch type
HRJ250-ET	DN250	0-1.6	-40°C~+100°C	640	490	800	255	Electric adjustment type
HRJ300-EK	DN300	0-1.6	-40°C~+100°C	750	540	880	305	Electric switch type
HRJ300-ET	DN300	0-1.6	-40°C~+100°C	750	540	880	305	Electric adjustment type
HRJ350-EK	DN350	0-1.6	-40°C~+100°C	890	580	950	410	Electric switch type
HRJ350-ET	DN350	0-1.6	-40°C~+100°C	890	580	950	410	Electric adjustment type
HRJ400-EK	DN400	0-1.6	-40°C~+100°C	1090	630	1040	460	Electric switch type
HRJ400-ET	DN400	0-1.6	-40°C~+100°C	1090	630	1040	460	Electric adjustment type
HRJ450-EK	DN450	0-1.6	-40°C~+100°C	1120	680	1100	520	Electric switch type
HRJ450-ET	DN450	0-1.6	-40°C~+100°C	1120	680	1100	520	Electric adjustment type
HRJ500-EK	DN500	0-1.6	-40°C~+100°C	1240	730	1210	580	Electric switch type
HRJ500-ET	DN500	0-1.6	-40°C~+100°C	1240	730	1210	580	Electric adjustment type
HRJ600-EK	DN600	0-1.6	-40°C~+100°C	1450	830	1300	690	Electric switch type
HRJ600-ET	DN600	0-1.6	-40°C~+100°C	1450	830	1300	690	Electric adjustment type
HRJ700-EK	DN700	0-1.6	-40°C~+100°C	1660	930	1400	790	Electric switch type
HRJ700-ET	DN700	0-1.6	-40°C~+100°C	1660	930	1400	790	Electric adjustment type
HRJ800-EK	DN800	0-1.6	-40°C~+100°C	1880	1030	1500	890	Electric switch type
HRJ800-ET	DN800	0-1.6	-40°C~+100°C	1880	1030	1500	890	Electric adjustment type

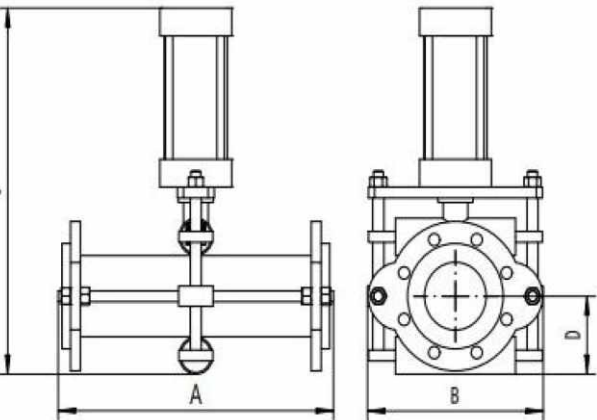


Note: The table is a standard model and can be customized



Product Parameters

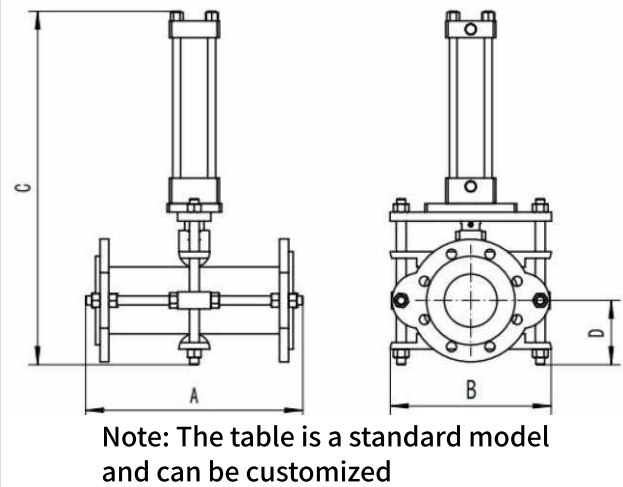
Huayun HRJ (simple open body) pinch valve pneumatic type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRJ25-P	DN25	0-1.6	-40°C~+100°C	145	210	455	40	Pneumatic type
HRJ32-P	DN32	0-1.6	-40°C~+100°C	160	225	470	55	Pneumatic type
HRJ50-P	DN50	0-1.6	-40°C~+100°C	180	240	485	70	Pneumatic type
HRJ65-P	DN65	0-1.6	-40°C~+100°C	250	255	500	85	Pneumatic type
HRJ80-P	DN80	0-1.6	-40°C~+100°C	285	270	525	100	Pneumatic type
HRJ100-P	DN100	0-1.6	-40°C~+100°C	355	285	560	115	Pneumatic type
HRJ125-P	DN125	0-1.6	-40°C~+100°C	450	340	630	130	Pneumatic type
HRJ150-P	DN150	0-1.6	-40°C~+100°C	375	390	695	155	Pneumatic type
HRJ200-P	DN200	0-1.6	-40°C~+100°C	505	440	760	205	Pneumatic type
HRJ250-P	DN250	0-1.6	-40°C~+100°C	640	490	810	255	Pneumatic type
HRJ300-P	DN300	0-1.6	-40°C~+100°C	750	540	895	305	Pneumatic type
HRJ350-P	DN300	0-1.6	-40°C~+100°C	890	580	945	410	Pneumatic type
HRJ400-P	DN300	0-1.6	-40°C~+100°C	1090	630	995	460	Pneumatic type



Note: The table is a standard model and can be customized

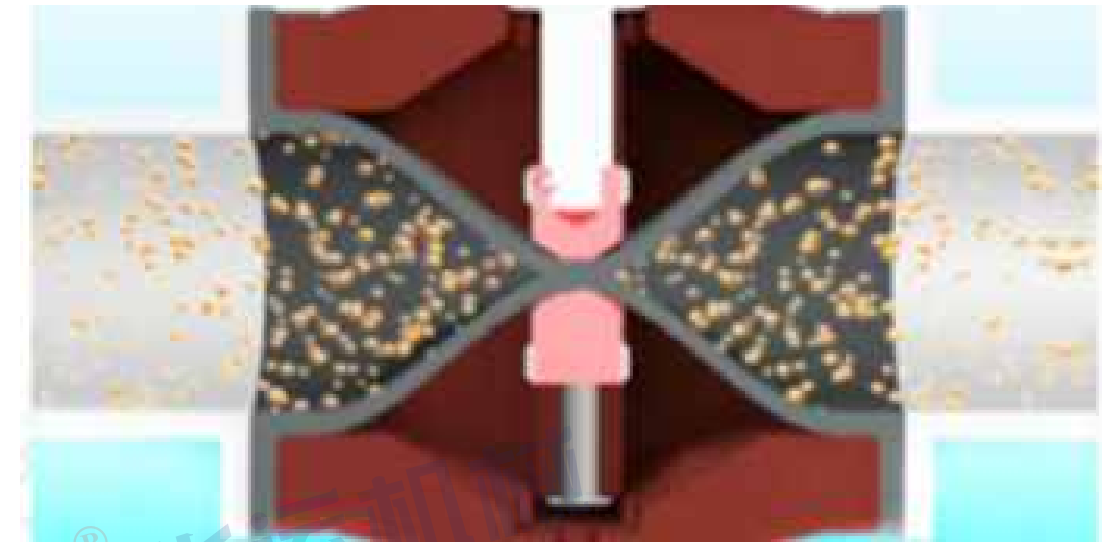
Product Parameters

Huayun HRJ (simple open body) pinch valve hydraulic type specification table								
Product Model	Nominal diameter (mm)	Nominal pressure (Mpa)	Temperature range (°C)	A(mm)	B(mm)	C(mm)	D(mm)	Drive mode
HRJ25-Y	DN25	0-1.6	-40°C~+100°C	145	210	455	40	Hydraulic
HRJ32-Y	DN32	0-1.6	-40°C~+100°C	160	225	470	55	Hydraulic
HRJ50-Y	DN50	0-1.6	-40°C~+100°C	180	240	485	70	Hydraulic
HRJ65-Y	DN65	0-1.6	-40°C~+100°C	250	255	500	85	Hydraulic
HRJ80-Y	DN80	0-1.6	-40°C~+100°C	285	270	525	100	Hydraulic
HRJ100-Y	DN100	0-1.6	-40°C~+100°C	355	285	560	115	Hydraulic
HRJ125-Y	DN125	0-1.6	-40°C~+100°C	450	340	635	130	Hydraulic
HRJ150-Y	DN150	0-1.6	-40°C~+100°C	375	390	690	155	Hydraulic
HRJ200-Y	DN200	0-1.6	-40°C~+100°C	505	440	750	205	Hydraulic
HRJ250-Y	DN250	0-1.6	-40°C~+100°C	640	490	800	255	Hydraulic
HRJ300-Y	DN300	0-1.6	-40°C~+100°C	750	540	860	305	Hydraulic
HRJ350-Y	DN350	0-1.6	-40°C~+100°C	890	580	910	410	Hydraulic
HRJ400-Y	DN400	0-1.6	-40°C~+100°C	1090	630	970	460	Hydraulic
HRJ450-Y	DN450	0-1.6	-40°C~+100°C	1120	680	1030	520	Hydraulic
HRJ500-Y	DN500	0-1.6	-40°C~+100°C	1240	730	1100	580	Hydraulic
HRJ600-Y	DN600	0-1.6	-40°C~+100°C	1450	830	1200	690	Hydraulic
HRJ700-Y	DN700	0-1.6	-40°C~+100°C	1660	930	1300	790	Hydraulic
HRJ800-Y	DN800	0-1.6	-40°C~+100°C	1880	1030	1400	890	Hydraulic



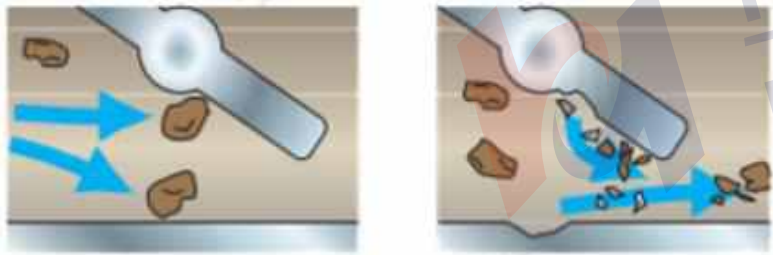
Structural Features

1. This valve can be installed arbitrarily on the pipeline, without medium flow direction restrictions, and full-diameter without flow restrictions.
2. This valve has low maintenance costs, and there are no valve seats, sealing packings, sealing rings or telescopic tubes that need to be replaced regularly. The valve core is the only part of the pinch valve that needs to be replaced. Once the valve core is replaced, the valve is like a new valve.
This valve rarely requires other parts inventory.
3. A variety of drive modes, which can be manually on-site or remotely, to achieve centralized control; it can be used as a regulating valve to adjust the flow, and the intelligent regulating type can also achieve multiple functions such as power-off protection on/off.



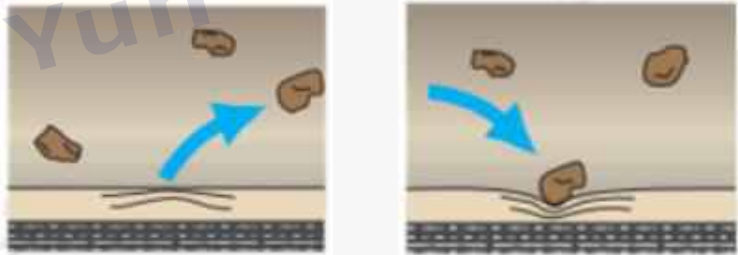
Working Schematic Diagram

Working Schematic Diagram of Traditional Metal Valves



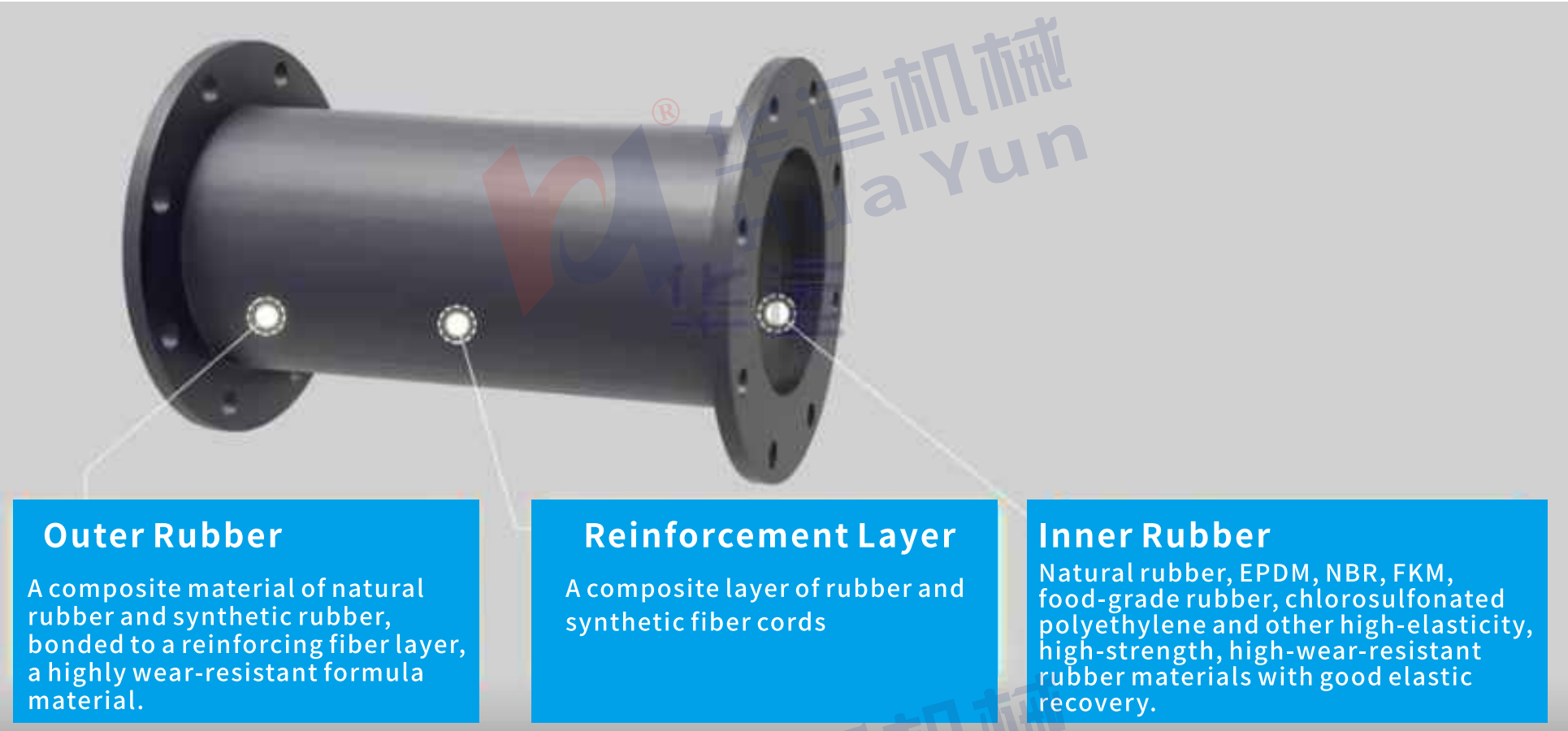
When abrasive particles hit the hard inner surface of a traditional metal valve, the energy generated by the impact is completely absorbed by the metal surface, thereby prematurely wearing out the valve seat, the raised part in the flow channel, the rotating valve plate, the plug and the ball. In addition, these abrasive particles gather on the ball and the plug, which will scratch the sealing surface and cause leakage.

Huayun Pinch valve Working Schematic



When abrasive particles hit the surface of synthetic rubber, the impact is first absorbed and then transmitted back to the particles. The synthetic rubber sleeve with very good elasticity and toughness wears much slower than ceramic or metal alloy valves. Pinch valve are full-bore, with no gaps, fasteners or valve seats affecting valve operation.

Huayun Pinch Valve Hose Material



Optional sleeve material



Natural Rubber(NR)

Excellent abrasion resistance,
resistant to dilute sulfuric acid,
dilute hydrochloric acid, ethanol,
and alkalis.

Fluid maximum temperature: 80°C
Fluid minimum temperature: -30°C



NBR

Oil, grease, alkali and
detergent resistance,
Fluid maximum temperature: 80°C
Fluid minimum temperature: -10°C



EPDM

Excellent chemical resistance,
especially resistant to concentrated
acids and ethanol
Fluid maximum temperature: 100°C
Fluid minimum temperature: -30°C



Styrene-butadiene rubber (SBRT)

Excellent wear resistance and aging
resistance.
Fluid maximum temperature: 80°C
Fluid minimum temperature: -30°C



Chlorobutyl rubber(CIIR)

Excellent airtightness, heat
resistance, aging resistance,
acid and alkali resistance,
ozone resistance, solvent
resistance, electrical insulation,
and shock absorption.
Fluid maximum temperature: 80°C
Fluid minimum temperature: -10°C



Chloroprene rubber(CR)

Excellent weather resistance, oil
resistance, wear resistance, heat
resistance, and flame retardancy.
It also offers excellent physical
and mechanical properties and
bonding properties.
Fluid maximum temperature: 80°C
Fluid minimum temperature: -10°C



Chlorosulfonated polyethylene rubber (CSM)

High-quality anti-hardening,
antioxidant products and
concentrated acid and
concentrated alkali
Fluid maximum temperature: 90°C
Fluid minimum temperature: -10°C



Food Grade Hose (F-NR,F-NBR,F-EPDM)

Meets the latest FDA, EU,
3A standards, resistant oil,
grease, alkali and detergent
Fluid maximum temperature: 80°C
Fluid minimum temperature:
F-NBR:-10°C
F-NR,F-EPDM:-30°C



Tetrapropyl fluororubber (FKM,AFLAS)

High strength, good chemical
corrosion resistance
Maximum fluid temperature: 90°C
Minimum fluid temperature: -10°C



Application range

Mining and metallurgy

- Tailings
- Flotation tanks
- Lime feeding
- Mine filling, etc.

Chemical industry

- Slurry
- Strong acid and alkali solution
- Powder particles
- Industrial processing, etc.

Power industry

- Ash removal system
- Bottom ash treatment
- Desulfurization and denitrification
- Coal handling equipment, etc.

Wastewater treatment

- Sludge control
- Lime carbon mud
- Sand removal
- Raw sewage, etc.

Application



HuaYun Hose pump

Solving the problem



Wear

corrosion

leakage

blockage

Application cases

Huayun HRZ100-E Application Cases

This valve model is HRZ100-E electric adjustable hose valve;
the user is a project of a US biological fermentation technology company

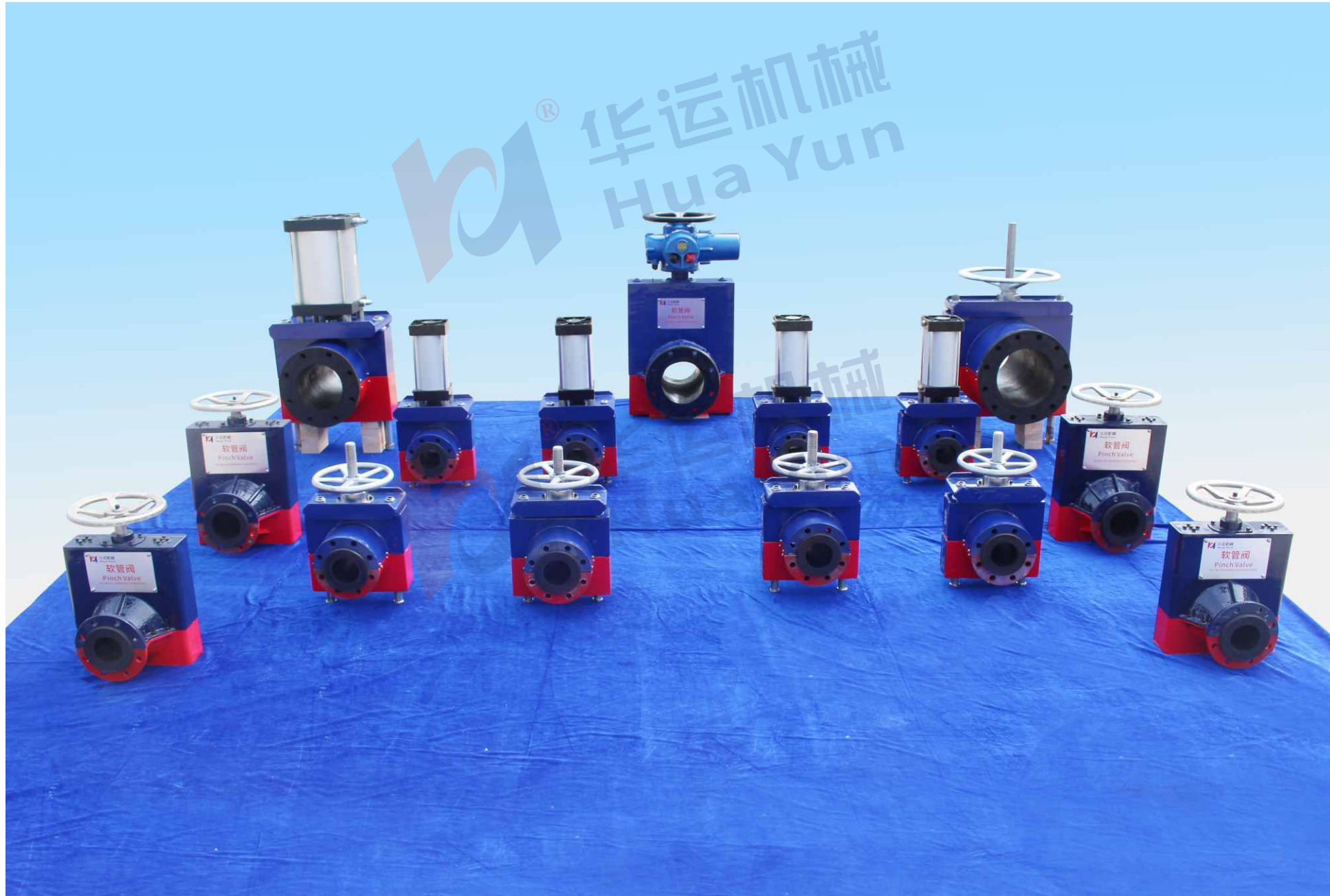


Huayun HRZ80-M Application Cases

This valve model is HRZ80-M manual hose valve;
the user is a foreign non-ferrous metal project of Zijin Mining Co., Ltd.



Product Appreciation



Product Appreciation



Product Appreciation



Product Appreciation



Product Appreciation



Product Appreciation

