



TIANJIN FREYA AUTOMATION TECHNOLOGY CO., LTD.

Tell: 022-27901003

Mail: tjfreya@tj-bnd.com

Web: www.tj-bnd.com

Add: Industrial Park, Zhongbei Town, Xiqing District, Tianjin

FRY·弗瑞亚
Electric Actuator

Blind Valve
Strainer

Product Catalog



TIANJIN FREYA AUTOMATION TECHNOLOGY CO., LTD.

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COMPANY PROFILE

Founded in 2014, Freya specializes in fluid control products and services such as valves, actuators, electric valve actuators, and electric valves. It focuses on the process industry and has long been committed to providing services to process industries such as power, steel, building materials, and water treatment to provide professional fluid control solutions. Based on the actual working conditions, through necessary on-site surveying and technical explanations, we provide customers with safe, economical and environmental-ly friendly selection and design, supply in strict accordance with contract requirements and guide installation and debugging, and hand over for use if standards are met. Thanks to the trust of the vast number of users, through long-term and large-scale on-site services, and the effective accumulation of technical experience, the company has an accurate understanding of the real needs and pain points of users and the market, as well as expectations for equipment manufacturers.

The company based on its own patent R & D and production of intelligent electric actuators, reliable, durable, easy to use, cost-effective and guaranteed service. Being close to users, providing full-process services, cover-all services, repair and maintenance value-added services, and escorting users' production are our differentiating advantages. Freya intelligent electric actuator and electric valve actuator provide a two-year warranty and lifetime free after-sales service after installation and commissioning. Technical quality and commercial credit are the two foundations on which the company relies to survive and drive the develop-ment of the company. Users feel reassured, worry-free and happy, which are the only criteria to evaluate the effectiveness of our work and demonstrate the value of our existence.

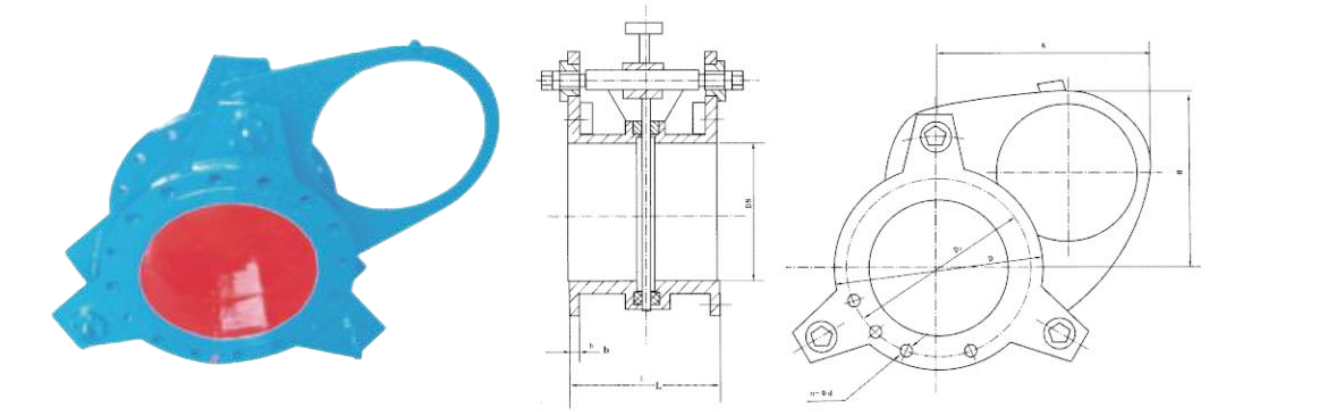


MANUAL SECTOR BLIND VALVE

Structural features

The F43X manual fan-shaped blind valve consists of a left valve body, a right valve body, a middle valve body, and three connecting screws. Use a wrench to rotate the connecting screws to complete the clamping and loosening of the left and right valve bodies, and use the position change of the stock plate and the through-hole plate on the valve plate to achieve the purpose of opening and closing. It has the characteristics of simple structure, light weight, reliable performance, and easy operation.

This valve is a short structure series, and the rubber seal is installed on the left and right valve bodies respectively.



Main dimensions

Unit: mm

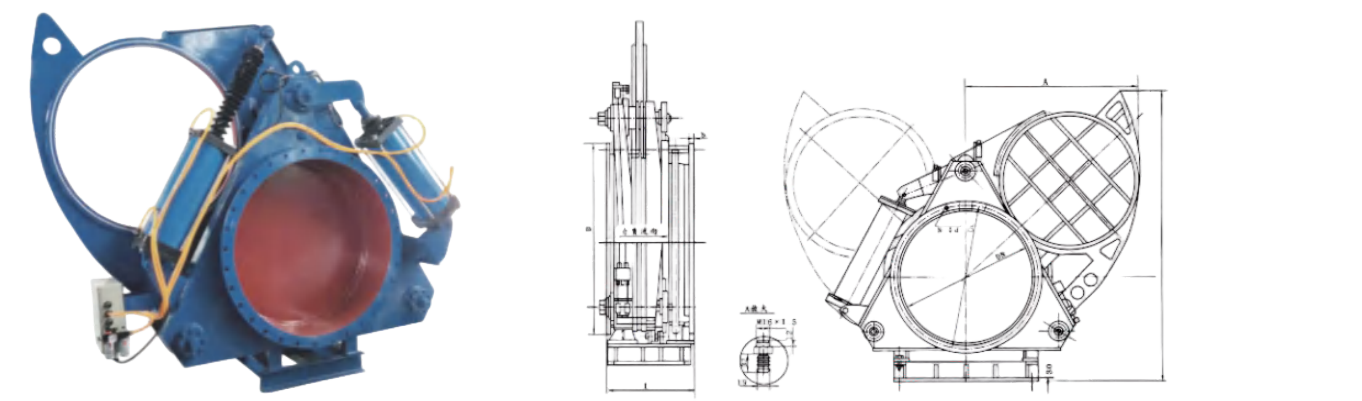
DN	L	D	D1	H	A	B	n-d	Weight Kg		
								0.05MPa	0.15MPa	0.25MPa
100	210	210	170	230	202	12	4-18	28	30	33
150	210	265	225	260	270	16	8-18	32	35	40
200	230	320	280	310	350	18	8-18	43	45	50
250	250	375	335	330	400	18	12-18	52	56	60
300	270	440	395	350	450	18	12-23	63	70	76
350	290	490	445	380	500	18	12-23	70	76	85
400	310	540	495	405	550	24	16-23	113	124	135
450	330	595	550	430	600	26	16-23	141	140	155
500	350	645	600	750	680	28	16-23	275	300	330
600	390	755	705	830	840	28	20-26	323	350	380
700	430	860	810	880	1050	28	24-26	380	410	450
800	470	975	920	900	1150	28	24-30	595	645	710
900	470	1075	1020	1000	1300	28	24-30	730	800	880
1000	470	1175	1120	1100	1450	28	28-30	900	980	1080
1200	510	1375	1320	1300	1550	28	32-30	1110	1200	1320
1400	510	1575	1520	1530	1700	30	36-30	1480	1650	1800

PNEUMATIC SECTOR BLIND VALVE

Structural features

The pneumatic fan-shaped blind valve is mainly composed of left valve body, right valve body, screw pair, valve plate sealing ring, lever, cylinder and other parts, and the base and support column form a rigid structure. The valve is equipped with clamping, loosening cylinders and flap cylinders. The clamping and loosening cylinders drive the left and right valve bodies through the lever pair and the screw screw pair to complete the loosening and clamping actions, and the flap cylinder drives the valve plate to complete the switching action. The rubber sealing ring is embedded on the valve plate, which has the characteristics of high temperature resistance, good sealing performance, easy replacement and long service life.

This valve can be remotely controlled by a single unit, or by multiple units connected to the network for remote control, and can also be manually operated using the valve itself.



Main dimensions

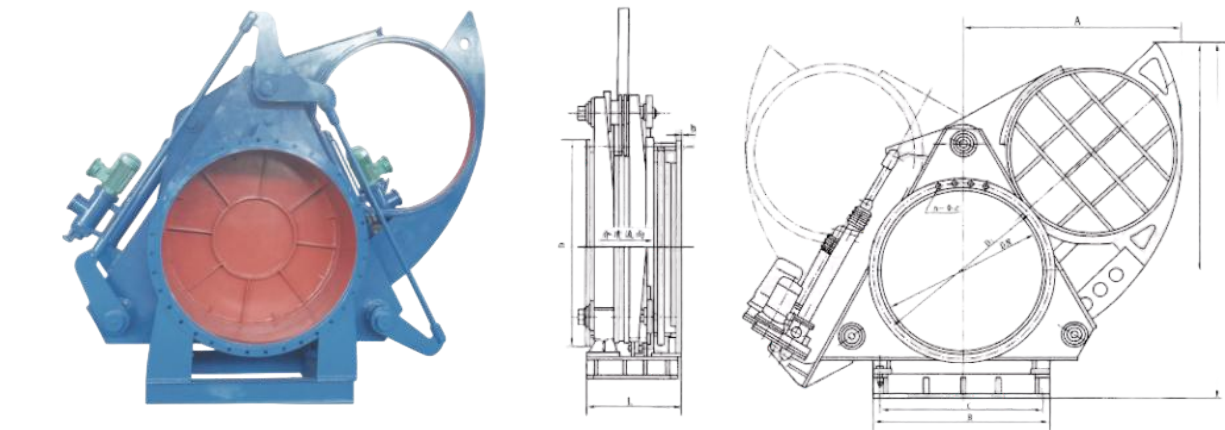
Unit: mm

DN	L	D	D1	A	H	b	n-φd	Weight Kg			
								0.05MPa	0.10MPa	0.15MPa	0.25MPa
300	450	440	395	480	720	16	12-22	255	255	280	280
350	450	490	445	520	810	16	12-22	285	285	310	310
400	450	540	495	600	920	16	16-22	300	300	330	330
450	500	595	550	658	995	16	16-22	350	350	380	380
500	500	645	600	712	1102	20	20-22	400	400	440	440
600	600	755	705	920	1500	20	20-26	500	500	550	550
700	600	860	810	970	1600	20	24-26	580	580	630	630
800	800	975	920	1100	1850	35	24-30	1500	1500	1650	1650
900	800	1075	1020	1200	1980	35	24-30	1800	1800	1980	1980
1000	800	1175	1120	1320	2200	35	28-30	2100	2100	2300	2300

ELECTRIC SECTOR BLIND VALVE

Structural features

The electric fan-shaped blind valve is mainly composed of left wide body, right valve body, screw pair, flap, sealing ring, lever, electric push rod and other parts, and the base and support column form a rigid structure. The valve is equipped with clamping, electric push rod and flap electric push rod. The clamping electric push rod drives the left and right valve bodies through the lever pair and the screw screw pair to complete the loosening and clamping actions, and the flap electric push rod drives the flap to complete the switching action. The rubber sealing ring is embedded in the valve body, which has the characteristics of high temperature resistance, good sealing performance, easy replacement and long service life. This valve can be remotely controlled by a single unit or by multiple units connected to the network, and can be manually operated by the valve itself.

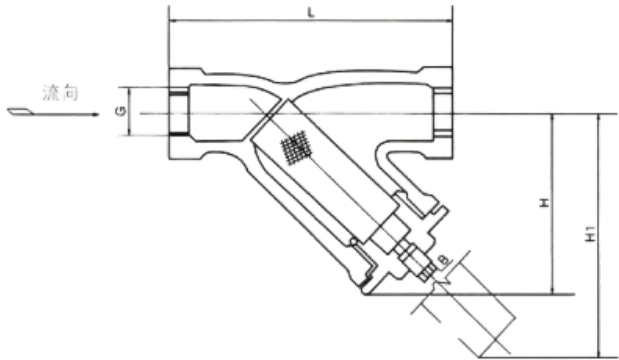


Main dimensions

Unit: mm

DN	L	D	D1	H	H1	A	B	C	b	n-φd	Weight Kg		
											0.05MPa	0.15MPa	0.25MPa
300	500	440	395	720	360	480			18	12-22	205	225	250
350	600	490	445	810	380	520			18	12-22	235	255	280
400	600	540	495	850	405	600			24	16-22	286	305	335
450	600	595	550	905	430	658			24	16-22	340	370	400
500	600	645	600	1080	750	712			26	20-26	420	460	500
600	600	755	705	1590	830	874			26	24-26	530	580	630
700	600	860	810	1680	880	970			26	24-26	605	665	730
800	800	975	920	1860	1125	1100	1130	525	35	24-30	1500	1650	1750
900	800	1075	1020	2055	1270	1200	1220	570	35	24-30	1800	1950	2100
1000	800	1175	1120	2240	1400	1320	1320	620	35	28-30	2100	2300	2500
1100	800	1275	1220	2425	1535	1510	1420	670	35	28-30	2300	2500	2700
1200	800	1375	1320	2620	1680	1625	1490	700	35	32-30	2600	2800	3050
1300	800	1475	1420	2760	1770	1749	1490	700	35	32-30	3000	3300	3600
1400	850	1575	1520	2960	1925	1856	1490	700	35	36-30	4170	4550	4950
1500	850	1690	1630	3105	2050	1976	1590	750	35	36-30	4900	5300	5800
1600	850	1790	1730	3300	2160	2093	1690	800	35	40-30	5350	5850	6350
1800	1100	1990	1930	3610	2370	2335	1890	900	35	44-30	6950	7600	8300
2000	1100	2190	2130	3960	2620	2570	2070	1000	35	48-30	8750	9500	10500

Y TYPE THREAD STRAINER

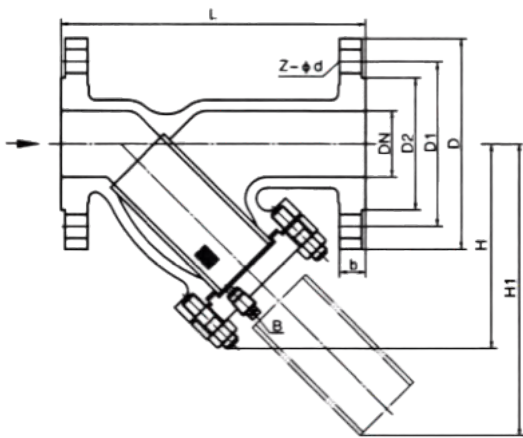


Main dimensions

Unit: mm

Model	DN	L	G	H	H1	B	Effective filtration area (m²)	Weight Kg
SY11C-H10 SY11C-H16 SY11C-H25	15	100	1/2"	74	99	ZG3/8"	0.00185	0.78
	20	110	3/4"	88	127	ZG1/2"	0.00281	1.10
	25	130	1"	103	150	ZG1/2"	0.00343	1.43
	32	160	1-1/4"	110	163	ZG1/2"	0.004836	2.11
	40	180	1-1/2"	132	203	ZG1/2"	0.00767	3.07
	50	200	2"	163	243	ZG1/2"	0.01160	3.91

Y TYPE FALNGE STRAINER

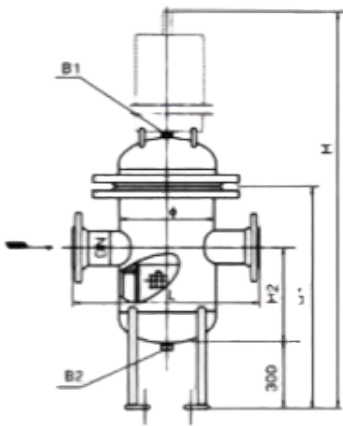
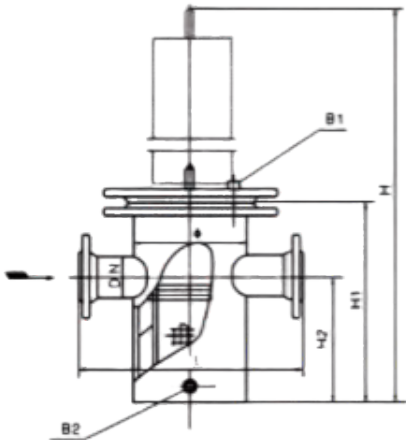


Main dimensions

Unit: mm

Model	DN	L	H	H1	B	Effective filtration area (m²)	Weight Kg					
							SY41C			SY41S		
							PN10	PN25	PN40	PN10	PN25	PN40
SY41C-10 SY41C-16 SY41C-25 SY41C-40	15	110	87	120	ZG3/8"	0.00185	2.62	2.74	2.81	2.80	2.85	2.85
	20	130	105	148	ZG1/2"	0.00281	3.00	3.06	3.06	3.05	3.11	3.11
	25	150	114	176	ZG1/2"	0.00343	3.70	3.78	3.98	3.80	3.84	3.84
	32	160	124	196	ZG1/2"	0.00486	5.35	5.45	5.46	5.43	5.54	5.54
	40	200	156	237	ZG1/2"	0.00767	6.54	6.60	7.01	6.62	6.72	6.72
SY41S-10 SY41S-16 SY41S-25 SY41S-40	50	220	181	270	ZG1/2"	0.01160	9.21	9.46	9.97	10.9	11.1	11.1
	65	290	250	369	ZG3/4"	0.02111	20.2	21.6	22.7	22.4	23.9	24.1
	80	310	280	429	ZG3/4"	0.03029	23.4	25.1	27.4	26.6	27.7	28.5
	100	350	320	488	ZG3/4"	0.04033	31.2	34.2	38.3	34.6	37.1	38.8
	125	400	374	547	ZG3/4"	0.05589	44.1	49.1	56.9	50.5	54.6	57.8
	150	480	430	622	ZG3/4"	0.07709	54.5	61.3	72.0	63.9	70.7	74.2
	200	550	515	741	ZG3/4"	0.11967	81.0	93.3	127.7	85.3	97.0	120.5

BASKET STRAINER



Main dimensions

Unit: mm

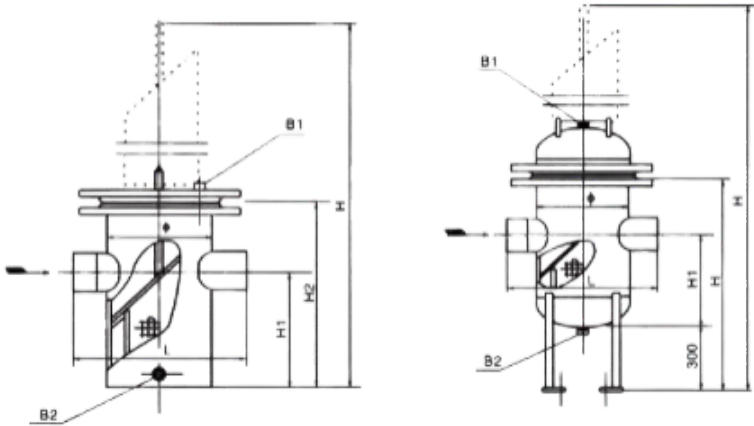
DN	L	H	H1	H2	Φ	B2			Effective filtration area (m²)	Weight Kg
						I	II	III		
25	220	520	110	70	76	R1/2"	DN20 RF	DN20 M	0.003619	12.5
32	220	525	110	70	76	R1/2"	DN20 RF	DN20 M	0.003619	16.8
40	280	630	120	100	114	R1/2"	DN20 RF	DN20 M	0.005718	24
50	280	630	120	100	114	R1/2"	DN20 RF	DN20 M	0.005718	29
65	330	750	160	110	140	R1/2"	DN20 RF	DN20 M	0.009613	40
80	340	860	180	140	168	R1/2"	DN20 RF	DN20 M	0.001539	55
100	420	1040	220	170	219	R3/4"	DN20 RF	DN20 M	0.002464	103
150	500	1375	310	220	273	R3/4"	DN20 RF	DN20 M	0.004866	181
200	560	1560	390	280	325	R3/4"	DN20 RF	DN20 M	0.007858	210
250	660	1770	480	320	426	R3/4"	DN20 RF	DN20 M	0.12005	290
300	750	2000	640	400	478	R3/4"	DN20 RF	DN20 M	0.16537	388

Main dimensions

Unit: mm

DN	L	H	H1	H2	Φ	B2			Effective filtration area (m²)	Weight Kg
						I	II	III		
200	560	2005	390	280	325	R3/4"	DN20 RF	DN20 M	0.07858	296
250	660	2320	480	320	426	R3/4"	DN20 RF	DN20 M	0.12065	415
300	750	2870	640	400	480	R3/4"	DN20 RF	DN20 M	0.16537	596
350	800	3305	770	450	500	R1"	DN20 RF	DN20 M	0.2225	707
400	840	3675	780	520	550	R1"	DN20 RF	DN20 M	0.2916	811
450	960	4070	980	600	600	R1"	DN20 RF	DN20 M	0.3642	1264
500	1080	4235	1090	650	700	R1"	DN20 RF	DN20 M	0.4587	1589

BASKET STRAINER



Main dimensions

Unit: mm

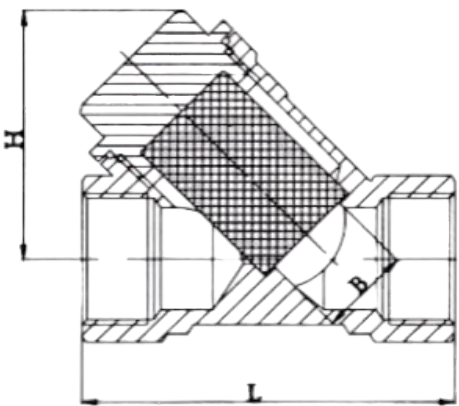
DN	L	H	H1	H2	Φ	B1			Effective filtration area (m²)	Weight Kg
						I	II	III		
25	220	480	160	260	76	R1/2"	DN20 RF	DN20 M	0.003619	13.8
32	220	495	160	270	76	R1/2"	DN20 RF	DN20 M	0.003619	16.5
40	280	550	180	300	114	R1/2"	DN20 RF	DN20 M	0.005718	19
50	280	550	180	300	114	R1/2"	DN20 RF	DN20 M	0.005718	23
65	330	650	220	350	140	R1/2"	DN20 RF	DN20 M	0.009613	39
80	340	740	260	400	168	R1/2"	DN20 RF	DN20 M	0.001539	52
100	420	880	310	470	219	R3/4"	DN20 RF	DN20 M	0.002464	82
150	500	1175	430	620	273	R3/4"	DN20 RF	DN20 M	0.004866	208
200	560	1540	530	780	325	R3/4"	DN20 RF	DN20 M	0.007858	245
250	660	1890	640	930	426	R3/4"	DN20 RF	DN20 M	0.12005	280
300	750	2130	840	1200	478	R3/4"	DN20 RF	DN20 M	0.16537	390

Main dimensions

Unit: mm

DN	L	H	H1	H2	Φ	B1			Effective filtration area (m²)	Weight Kg
						I	II	III		
200	560	1875	540	230	325	R3/4"	DN20 RF	DN20 M	0.07858	303
250	660	2170	650	270	426	R3/4"	DN20 RF	DN20 M	0.12065	439
300	750	2690	860	320	480	R3/4"	DN20 RF	DN20 M	0.16537	576
350	800	3085	1010	370	500	R1"	DN20 RF	DN20 M	0.2225	833
400	840	3445	1150	400	550	R1"	DN20 RF	DN20 M	0.2916	839
450	960	3810	1310	440	600	R1"	DN20 RF	DN20 M	0.3642	978
500	1080	4145	1440	470	700	R1"	DN20 RF	DN20 M	0.4587	1444

GL11H-16T COPPER STRAINER



Main dimensions

Unit: mm

DN mm	inch	L	H
15	1/2	55	38
20	3/4	67	52
25	1	81	63
32	1-1/4	89	76
40	1-1/2	100	90
50	2	122	113
65	2-1/2	151	110
80	3	174	115
100	4	219	150