

ACTUATED VALVES

It is also known as automated valves. As the name itself, the valve is mechanically operated by electric or pneumatic. Comparing to a manual valve, it does not require user in attendance to make changes or control the valve. It can be control remotely, and this is crucial part of a process plant or systems.

WRS offer four types of actuated valves.

1. Electric powered butterfly valve
2. Pneumatic powered butterfly valve
3. Electric powered ball valve
4. Pneumatic powered ball valve

SERIES 987: ELECTRIC POWERED BUTTERFLY VALVE



Actuator Parameters		Body Parameters	
Power	AC110, 220/380V/DC24/220V	Size	DN50 – DN200
Output Force	50N, 100N, 200N	Rated Pressure	PN1.0MPa
Operating Range	0 ~ 90° ± 5°	Material: Sleeve	UPVC, CPVC, PP, ABS
Operating Time	15/30/60 seconds	Material: Body	UPVC, CPVC, PPH, PP< ABS
Environment Temperature Range	-30°C ~ 60°C	Material: Seal	EPDM, NBR, FPM, PTFE
Input Signal	On/Off Type: 0 – 10, 1-5VDC or Signal Type: 4-20mA	Temperature Range	UPVC < 65°C PVDPC < 140°C CPVC < 90°C PP < 85°C
Protection	IP67 <i>*Optional: Exd + IP67</i>		
Manual Operation	Hand lever	Connection:	Flange connection

SERIES 887: PNEUMATIC POWERED BUTTERFLY VALVE



<u>Actuator Parameters</u>		<u>Body Parameters</u>	
Type	Piston Type, Spring Type	Size	DN50 – DN300
Required Air Power (Double Acting)	2 - 8 Bar	Rated Pressure	PN1.0MPa
Required Air Power (Single Acting)	4 - 8Bar	Material: Sleeve	UPVC, CPVC, PP, PVDF, ABS
Output Force (Double Acting)	4N.M ~10560N.M	Material: Body	UPVC, CPVC, PP, PVDF, ABS
Output Force (Single Acting)	7N.M ~2668N.M	Material: Valve Ball	UPVC, CPVC, PP, PVDF, ABS
Operating Range	0 ~ 90° ± 5°	Material: Seal	EPDM, NBR, FPM, PTFE
Working Temperature	-20°C ~ 160°C *subject to O-Ring Selection	Temperature Range	UPVC < 65°C PVDPC < 140°C CPVC < 90°C PP < 80°C
Connection Method	GTD40~83 / ATD50~88 G 1/8" GTD110~350 / ATD100~200 G 1/4"	Connection:	Flange connection
Signal	4-20mA, On/Off		

SERIES 986: ELECTRIC POWERED BALL VALVE



Actuator Parameters		Body Parameters	
Power	AC110, 220/380V/DC24/220V	Size	DN50 – DN100
Output Force	30N, 50N, 100N	Rated Pressure	PN1.0MPa
Operating Range	0 ~ 90° ± 5°	Material: Sleeve	UPVC, CPVC, PP, ABS
Operating Time	15/30/60 seconds	Material: Body	UPVC, CPVC, PPH, PP< ABS
Environment Temperature Range	-30°C ~ 60°C	Material: Seal	EPDM, NBR, FPM, PTFE
Input Signal	On/Off Type: 0 – 10, 1-5VDC or Signal Type: 4-20mA	Temperature Range	UPVC < 65°C PVDPC < 140°C CPVC < 90°C PP < 85°C
Protection	IP67 <i>*Optional: Exd + IP67</i>	Connection:	Flange connection, Clamp, Glue Socket
Manual Operation	Hand lever		

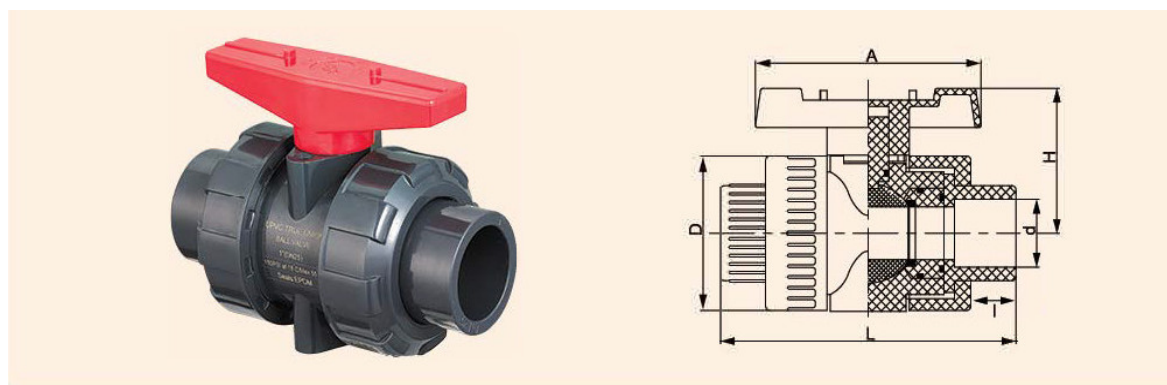
SERIES 886: PNEUMATIC POWERED BALL VALVE



Actuator Parameters		Body Parameters	
Type	Piston Type, Spring Type	Size	DN15 – DN100
Required Air Power (Double Acting)	2 - 8 Bar	Rated Pressure	PN1.0MPa
Required Air Power (Single Acting)	4 - 8Bar	Material: Sleeve	UPVC, CPVC, PP, PVDF, ABS
Output Force (Double Acting)	4N.M ~10560N.M	Material: Body	UPVC, CPVC, PP, PVDF, ABS
Output Force (Single Acting)	7N.M ~2668N.M	Material: Valve Ball	UPVC, CPVC, PP, PVDF, ABS
Operating Range	0 ~ 90° ± 5°	Material: Seal	EPDM, NBR, FPM, PTFE
Working Temperature	-20°C ~ 160°C *subject to O-Ring Selection	Temperature Range	UPVC < 65°C PVDPC < 140°C CPVC < 90°C PP < 80°C
Connection Method	GTD40~83 / ATD50~88 G 1/8" GTD110~350 / ATD100~200 G ¼"	Connection:	Flange connection, Clamp, Glue Socket

BALL VALVES

MODEL 231 (Material available: UPVC, CPVC, PTFE, PPH)



Model	Size	d	I	H	A	L	D
23115	DN15	20	20	48	85	102	53
23120	DN20	25	26	53	90	116	60
23130	DN25	32	28	65	105	128	71
23132	DN32	40	31.5	75	116	146	83
23140	DN40	50	34.5	87	128	162	95
23150	DN50	63	38.50	99	140	177	116
23165	DN65	75	40	128	209	229	145
23180	DN80	90	64	140	204.5	292	164
231100	DN100	110	59	160	209	310	188

CHECK VALVES

MODEL 232 (Material available: UPVC, CPVC, PTFE, PPH)



Model	Size	d	D	H	L1	L2
23215	DN15	20	53	88	20	20
23220	DN20	25	60	108	25.5	25.5
23230	DN25	32	72	124	28	28
23232	DN32	40	83	143	31	31
23240	DN40	50	96	150	34	34
23250	DN50	63	117	169	36	36
23265	DN65	75	146	226	52	52
23280	DN80	90	172	221	53	53
232100	DN100	110	205	264	61	61
232150	DN150	160	282	379	90	90