AZUD FLUXAR

Hydraulic command valves that allow opening/ closing the flow of irrigation water and/or regulating the operating conditions upstream or downstream

Technical characteristics

- **Material:** Metal/Plastic
- **Connection Diameter:** Ø3/4” - Ø1 2”
- **Connection Type:** Thread - Grooved - Flange
- **Nominal pressure:** PN6 - PN10 - PN16

Unique selling points

Robustness

Excellent performance under pressure variations and/or demanding conditions

Reliability

Régulation rapide, précise et stable, vérifiée et validée sur bancs d’essai

Efficiency

Allows operation at low pressure with very low head loss (Kv), reducing the energy consumption in the system

SISTEMA AZUD S.A. reserves the right to change the characteristics of these products without prior notice

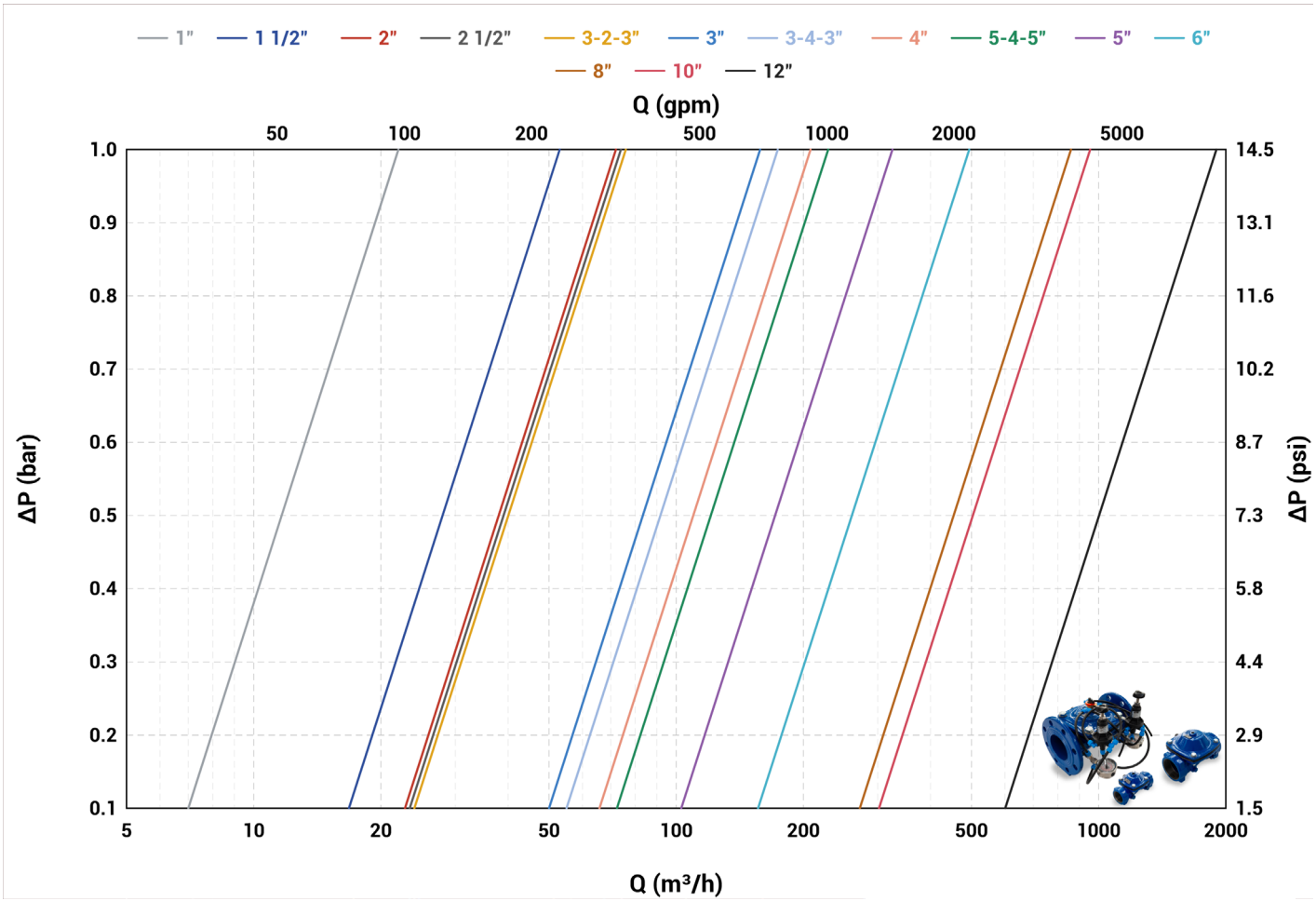
Technical data metal valves

Model	Connection diameter*		Kv	Connection type**	No.of holes	Nominal pressure***	Min. working pressure	Valve dimensions	
								L	H
	mm	in	m³/h (1 bar)				bar	mm	mm
Metal	25	1"	16	BSP thread	-	PN6	0.5 - 0.8	120	45
						PN16	1.2 - 1.5		
	40	1 1/2"	51	BSP thread	-	PN6	0.5 - 0.8	170	65
						PN16	1.2 - 1.5		
	50	2"	72	BSP thread	-	PN6	0.5 - 0.8	186	75
						PN16	1.2 - 1.5		
				DIN 2502 Flange	4	PN6	0.5 - 0.8	120	45
						PN16	1.2 - 1.5		
	65	2 1/2"	74	BSP thread		PN6	0.5 - 0.8	205	90
						PN16	1.2 - 1.5		
				DIN 2502 Flange	4	PN6	0.5 - 0.8	202	185
						PN16	1.2 - 1.5		
	80C	3-2-3"	76	BSP thread	-	PN6	0.5 - 0.8	210	112
						PN16	1.2 - 1.5		
	80A	3"	158	BSP thread	-	PN6	0.5 - 0.8	242	112
						PN16	1.2 - 1.5		
				DIN 2502 Flange	8	PN6	0.5 - 0.8	250	205
						PN16	1.2 - 1.5		
	80D	3-4-3"	174	DIN 2502 Flange	8	PN6	0.5 - 0.8	280	205
						PN16	1.2 - 1.5		
	100	4"	208	DIN 2502 Flange	8	PN6	0.5 - 0.8	300	220
						PN16	1.2 - 1.5		
	125C	5-4-5"	229	DIN 2502 Flange	8	PN6	0.8 - 1.0	330	255
						PN16	1.2 - 1.5		
	125	5"	325	DIN 2502 Flange	8	PN6	0.8 - 1.0	330	255
						PN16	1.2 - 1.5		
	150	6"	494	DIN 2502 Flange	8	PN6	0.8 - 1.0	390	285
						PN16	1.2 - 1.5		
	200	8"	860	DIN 2502 Flange	12	PN6	0.8 - 1.0	475	343
						PN16	1.2 - 1.5		
				DIN 2576 Flange	8	PN6	0.8 - 1.0		
						PN16	1.2 - 1.5		
	250	10"	955	DIN 2502 Flange	12	PN6	0.8 - 1.0	500	405
						PN16	1.2 - 1.5		
				DIN 2576 Flange		PN6	0.8 - 1.0		
						PN16	1.2 - 1.5		
	300	12"	1900	DIN 2502 Flange	12	PN6	0.8 - 1.0	584	460
						PN16	1.2 - 1.5		
				DIN 2576 Flange		PN6	0.8 - 1.0		
						PN16	1.2 - 1.5		

*The X–X–X" designation corresponds to the connection–body–connection sequence.
**DIN 2576 Flange connection standard compatible with DIN 2502 up to and including 6" models.
In automated valves for filtration equipment (FL), the connection is DIN 2576 Flange.
***In automated valves, the maximum working pressure of the assembly will be limited by the component with the lowest pressure.

SISTEMA AZUD S.A. reserves the right to change the characteristics of these products without prior notice

Head loss graph (Pressure vs Flow rate)



Q = Kv·√ΔP · Test conducted in accordance with UNE EN-1267·
*To size the valve, assume ΔP = 0.2

Technical data plastic valves

Model	Connection diameter*		Kv	Connection type	No.of holes	Nominal pressure**	Min. working pressure	Valve dimensions	
								L	H
	mm	in	m³/h (1 bar)				bar	mm	mm
Plastic	20	3/4"	13	BSP thread	-	PN6	0.5 - 0.8	136	72
						PN10	1.2 - 1.5		
	25	1"	15	BSP thread	-	PN6	0.5 - 0.8	148	73.5
						PN10	1.2 - 1.5		
	40	1 1/2"	45	BSP thread	-	PN6	0.5 - 0.8	200	101
						PN10	1.2 - 1.5		
	50	2"	60	BSP thread	-	PN6	0.5 - 0.8	215	113.5
						PN10	1.2 - 1.5		
			60	DIN/ANSI Flange	4	PN6	0.5 - 0.8	210	165
						PN10	1.2 - 1.5		
			50	Grooved	-	PN6	0.5 - 0.8	210	165
						PN10	1.2 - 1.5		
	65	2 1/2"	64	BSP thread	-	PN6	0.5 - 0.8	238	120.5
						PN10	1.2 - 1.5		
				DIN/ANSI Flange	4	PN6	0.5 - 0.8	213	185
						PN10	1.2 - 1.5		
	80C	3-2-3"	66	BSP thread	-	PN6	0.5 - 0.8	255	130
						PN10	1.2 - 1.5		

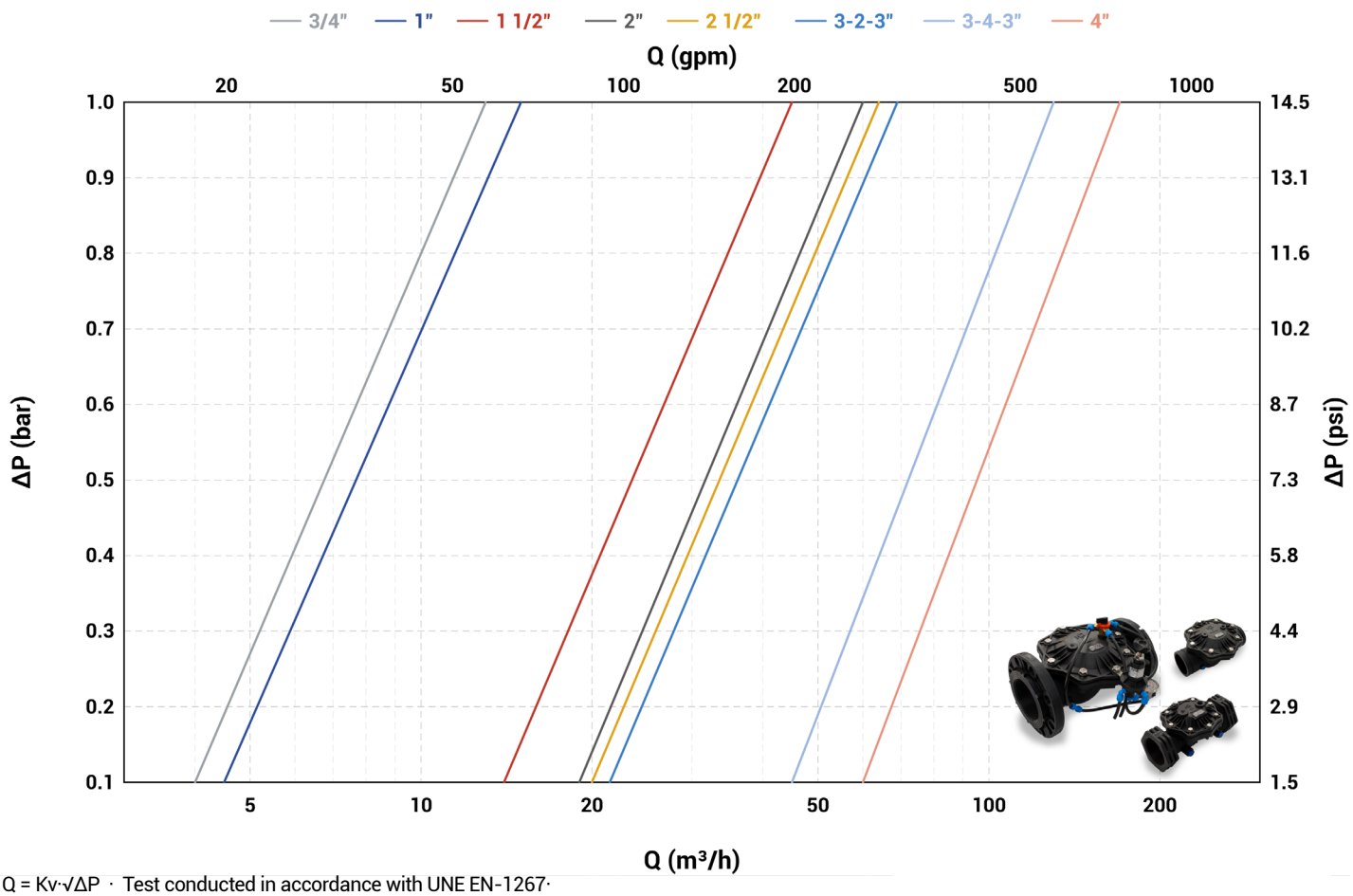
(Continues on next page)

Technical data plastic valves

Model	Connection diameter*		Kv	Connection type	No.of holes	Nominal pressure**	Min. working pressure	Valve dimensions	
								L	H
	mm	in	m³/h (1 bar)				bar	mm	mm
	80D	3-4-3"	130	BSP thread	-	PN6	0.5 - 0.8	365	142.5
						PN10	1.2 - 1.5		
				DIN/ANSI Flange	8	PN6	0.5 - 0.8	345	200
						PN10	1.2 - 1.5		
				Grooved	-	PN6	0.5 - 0.8	345	200
						PN10	1.2 - 1.5		
	100	4"	170	BSP thread	-	PN6	0.5 - 0.8	375	186.5
						PN10	1.2 - 1.5		
				DIN/ANSI Flange	8	PN6	0.5 - 0.8	370	220
						PN10	1.2 - 1.5		
				Grooved	-	PN6	0.5 - 0.8	370	220
						PN10	1.2 - 1.5		

*The X–X–X" designation corresponds to the connection–body–connection sequence.
**In automated valves, the maximum working pressure of the assembly will be limited by the component with the lowest pressure.

Head loss graph (Pressure vs Flow rate)



Q = Kv·√ΔP · Test conducted in accordance with UNE EN-1267·
*To size the valve, assume ΔP = 0.2

Automations

Automation	Solenoid	Nominal pilot pressure	Pilot operating range
		bar	bar
Reducing hydraulic valve (RD)	-	6	0.9 - 5.2
		10	1.5 - 7.5
Sustaining hydraulic valve (ST)	-	6	0.9 - 5.2
		10	1.5 - 7.5
Electrovalve (EV)	12 V DC LATCH	-	-
	24 V AC NO		
Reducing electrovalve (EV-RD)	12 V DC LATCH	6	0.9 - 5.2
	24 V AC NO	10	1.5 - 7.5
Sustaining electrovalve (EV-ST)	12 V DC LATCH	6	0.9 - 5.2
	24 V AC NO	10	1.5 - 7.5
Sustaining valve kit for filtration equipment (FL)	12 V DC LATCH	6	0.9 - 5.2
	24 V AC NC		
	24 V DC NC		

Materials of construction:

Model	Metal	Plastic
Base-lid	Ductile cast iron with anti-corrosion epoxy (GGG50)*	Glass fiber reinforced nylon
Membrane	Natural rubber + Nylon	Natural rubber + Nylon
Spring	302 Stainless steel	302 Stainless steel
Screws	Galvanized	A2-70 Stainless steel
Pilot regulating	Glass fiber reinforced engineering plastic	Glass fiber reinforced engineering plastic

*Models model Ø1" y Ø1½" manufactured in grey cast iron (GG25) with anti-corrosion epoxy-polyester coating.

Related products

AZUD VORA

AZUD META

AZUD HELIX AUTOMATIC 200