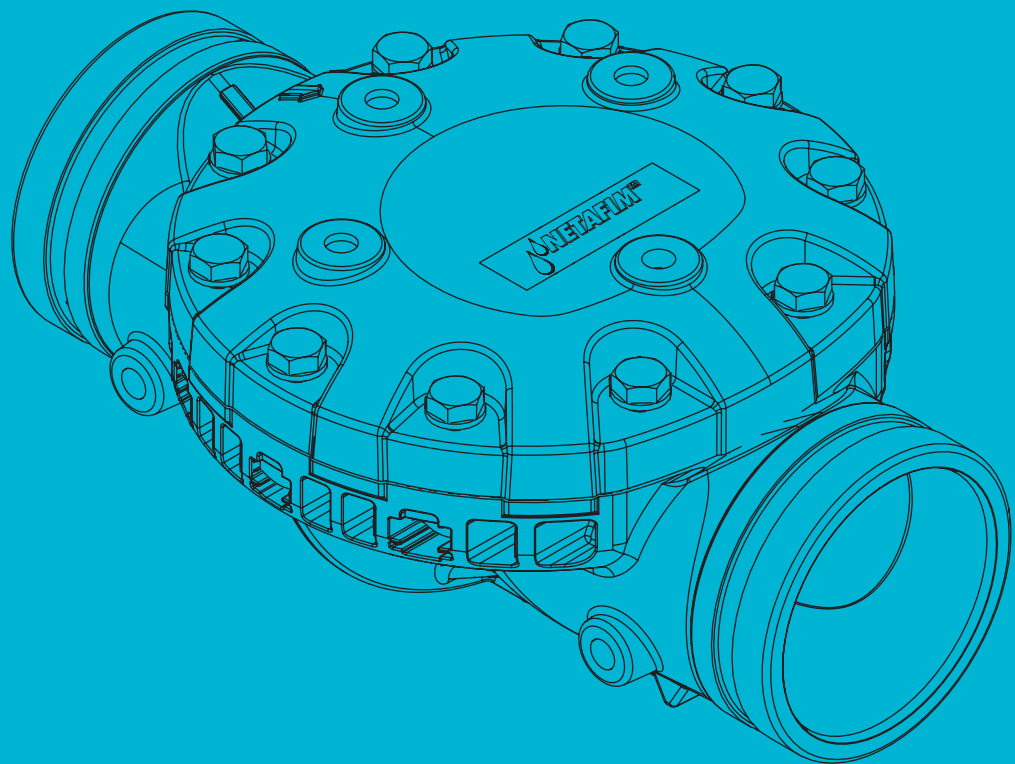


NETAFIM™ CONTROL VALVES

PRODUCT CATALOG



2018

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75 SERIES - REINFORCED NYLON CONTROL VALVES

The strong and versatile plastic valves of 75 series, exhibit exceptional hydraulic characteristics and provide optimal control of irrigation systems

APPLICATIONS

Control valve series (3/4" – 6"R) designed to operate and protect irrigation networks in field crops, vineyards, orchards, and greenhouses

BENEFITS

- **Outstanding performances**
High flow capacity and very low head losses achieved by a flexible diaphragm that provides a wide water passage throughout the valve's hydrodynamic body
- **Ultimate durability**
Long life and easy inline maintenance accomplished by structural simplicity and high-quality corrosion-free materials
- **Extremely versatile**
Gal plastic valves are available with full selection of control functions and various end connections

TECHNICAL SPECIFICATIONS

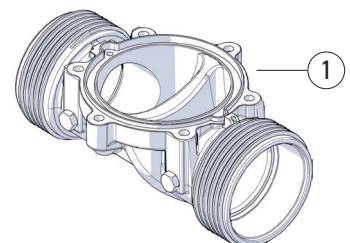
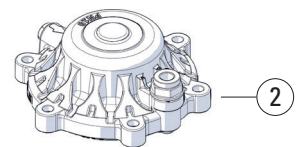
- Maximum pressure – 10 bar (145 psi)
- Minimum recommended flow – 1 m³/h (5 gpm)
- Minimum operating pressure – 0.4 bar (6 psi)
- Maximum operating temperature – 70°C (160F)

PARTS AND MATERIALS

#	Part	Standard	Optional*
1	Body	Reinforced nylon	Polypropylene
2	Bonnet	Reinforced nylon	Polypropylene
3	Diaphragm**	Natural rubber	ALD, EPDM
4	Spring	SST 302	SST 316

* Optional parts for special chemical resistance

** Wide selection of pressure ranges





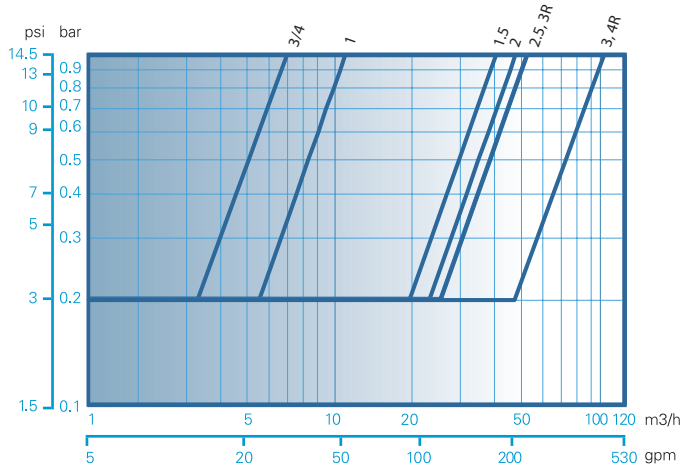
HYDRAULIC PERFORMANCES

Diameter	inch	3/4	1	1.5	2	2.5	3R*	3	4R*	4	6R*
	mm	20	25	35	50	65	80	80	100	100	160
Flow rate factor**	K _v	7.5	15	60	70	75	75	120	120	260	260
	C _v	9	17.5	70	80	90	90	140	140	300	300

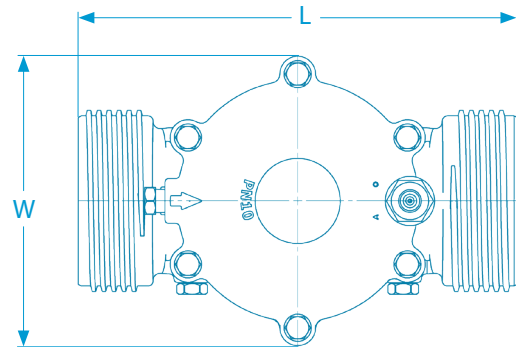
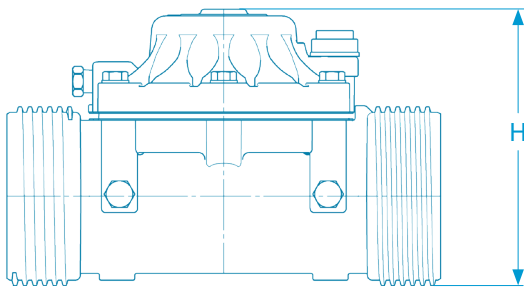
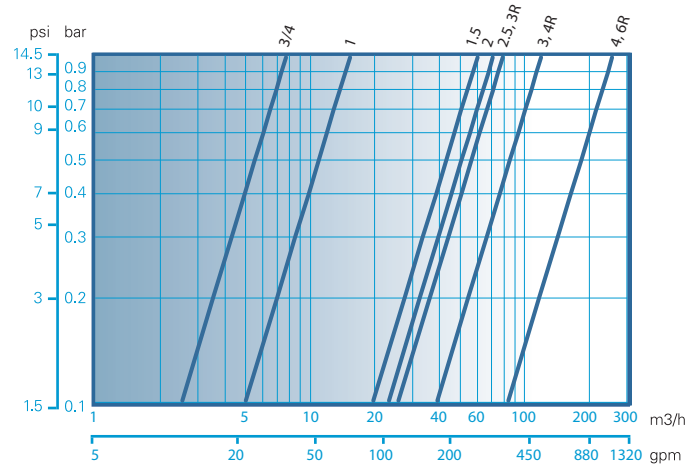
*. R – “Reduced” - 3R = 323”, 4R = 434”, 6R = 646”

** . In order to calculate the head loss at any desired flow rate, use the following equation: Head loss = (Flow rate/Flow rate factor)²

HEAD LOSS – 2 WAY VALVES



HEAD LOSS – 3 WAY VALVES



DIMENSIONS

Diameter		inch	3/4	1	1.5	2	2.5	3R	3	4R*	4	6R*
		mm	20	25	35	50	65	80	80	100	100	160
HEIGHT	H	mm / inch	60.5 / 2.42	60.5 / 2.42	122.6 / 4.90	117.6 / 4.70	118.7 / 4.75	124.9 / 5.00	174 / 6.90	227 / 9.10	229 / 9.00	284 / 11.18
WIDTH	W	mm / inch	89.5 / 3.58	89.5 / 3.58	130.8 / 5.23	130.8 / 5.23	130.8 / 5.23	130.8 / 5.23	170 / 6.80	227 / 9.10	236 / 9.29	285 / 11.22
LENGTH	L	mm / inch	113 / 4.50	124 / 4.87	188 / 7.37	199 / 7.87	228 / 9.00	236 / 9.25	258 / 10.30	291.5 / 11.66	370 / 14.56	420 / 16.53
VOL. CONTROL CHAMBER		cc / gal	36 / 0.01	36 / 0.01	180 / 0.04	180 / 0.04	180 / 0.04	180 / 0.04	250 / 0.05	250 / 0.05	400 / 0.11	400 / 0.11
WEIGHT		kg / lbs	0.2 / 0.44	0.2 / 0.44	0.9 / 2	0.9 / 2	1.2 / 2.6	1.4 / 3.1	3.1 / 6.8	2 / 4.4	5.95 / 13.1	7.95 / 17.5

*. Dimensions for those diameters include flanges



80 SERIES - REINFORCED NYLON CONTROL VALVES

Globe and angle plastic valves of the 80 series, equipped with a fully supported diaphragm, guarantee rapid and precise control of irrigation systems

APPLICATIONS

Innovative valve series (1.5" – 4"R) specially designed to operate and protect irrigation networks in open fields, greenhouses, hydroponics and mist systems

BENEFITS

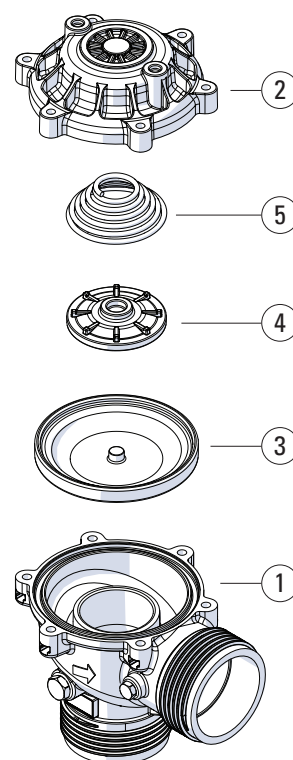
- **Optimal protection**
Tight closing & quick opening is achieved by a rigid plug mechanism that is suitable for high pressure applications and responds rapidly to water pressure fluctuations
- **Efficient installation**
The valves are available in both globe and angle shapes and therefore eliminate the use of elbow joints and extending pipelines
- **Extensive flexibility**
Available with full range of control functions, various end connections and a selection of 2 way and 3 way bonnets with integral accessories

TECHNICAL SPECIFICATIONS

- Maximum pressure – 10 bar (145 psi)
- Minimum recommended flow – 1 m³/h (5 gpm)
- Minimum operating pressure – 0.7 bar (10 psi)
- Maximum operating temperature – 70°C (160F)

PARTS AND MATERIALS

#	Part	Standard
1	Body	Reinforced nylon
2	Bonnet	Reinforced nylon
3	Diaphragm	Natural rubber
4	Spring seat	Nitrile rubber
5	Spring	SST 302





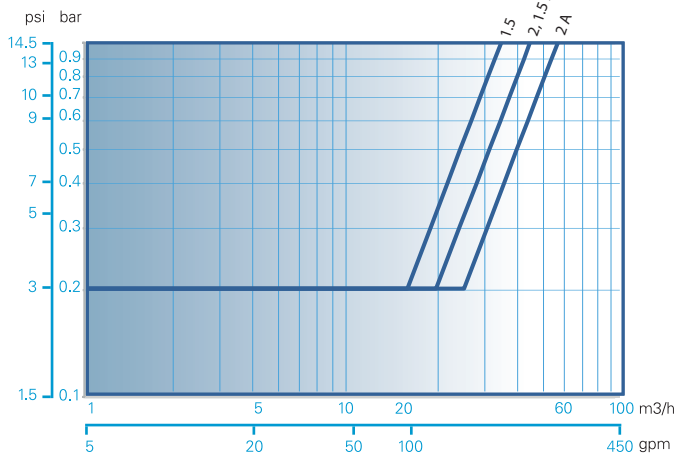
HYDRAULIC PERFORMANCES

Shape		Straight		Angle			
Diameter	inch	1.5	2	1.5	2	3	4R*
	mm	35	50	35	50	80	100
Flow rate factor**	K_v	45	55	45	60	145	145
	C_v	55	65	55	70	170	170

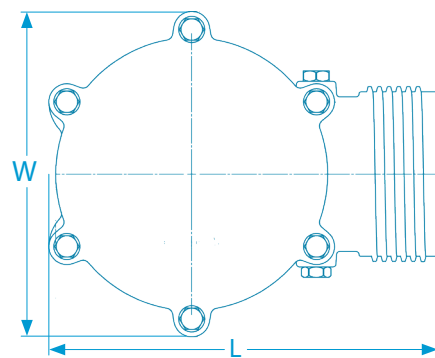
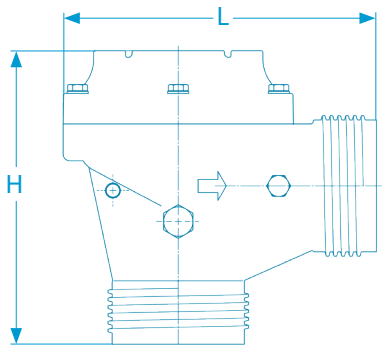
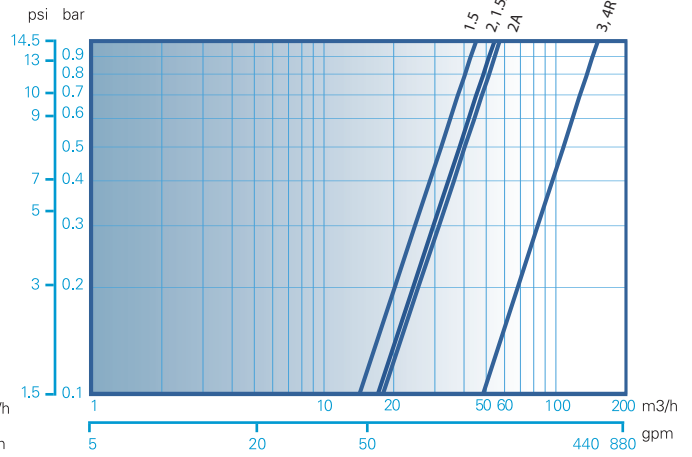
*. R – “Reduced” - 4R = 434”.

** . In order to calculate the head loss at any desired flow rate, use the following equation: Head loss = (Flow rate/Flow rate factor)²

HEAD LOSS – 2 WAY VALVES



HEAD LOSS – 3 WAY VALVES



DIMENSIONS

Shape		Straight		Angle				
DIAMETER	inch	1.5	2	1.5	2	3	4R*	
	mm	35	50	35	50	80	100	
HEIGHT	H	mm / inch	145 / 5.70	145 / 5.70	66 / 2.59	66 / 2.59	130 / 5.11	130 / 5.11
WIDTH	W	mm / inch	127 / 5.00	127 / 5.00	127 / 5.00	127 / 5.00	195 / 7.67	195 / 7.67
LENGTH	L	mm / inch	165 / 6.49	165 / 6.49	88 / 3.46	88 / 3.46	160 / 6.29	160 / 6.29
VOL. CONTROL CHAMBER		cc / gal	100 / 0.02	100 / 0.02	100 / 0.02	100 / 0.02	400 / 0.10	400 / 0.10
WEIGHT		kg / lbs	0.9 / 2	0.9 / 2	0.8 / 1.8	0.8 / 1.8	3.8 / 8.3	4.2 / 9.2

*. Dimensions for this diameter include flange



90 SERIES - PVC CONTROL VALVES

Solvent welded and threaded valves of the 90 series, made from highly resistant materials and provide reliable irrigation control

APPLICATIONS

Exclusive valves series (3" – 6") suitable for underground and above-ground installation in open fields and greenhouses

BENEFITS

- **Superior performances**

Excellent regulation capabilities achieved by a flexible diaphragm mechanism that is designed to allow maximal to near zero flow while operating at very low head losses

- **Exceptional efficiency**

Available with full selection of control functions and various end connections. The optional underground installation reduces both costs and friction losses by eliminating the use of elbow joints

- **Improved resistance**

Resistance to corrosive fluids is accomplished by using high quality corrosion-free materials, both externally and internally. Optional materials for highly concentrated chemicals protection

TECHNICAL SPECIFICATIONS

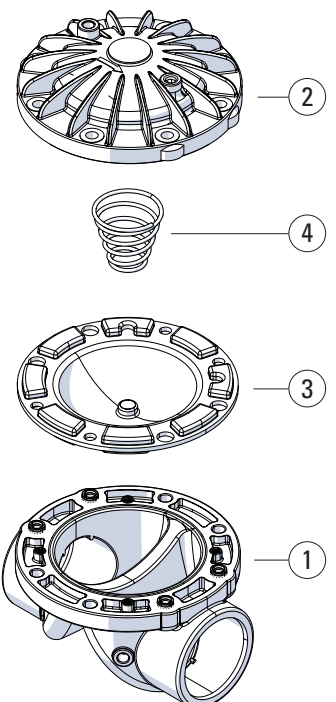
- Maximum pressure – 10 bar (145 psi)
- Minimum recommended flow – 1 m³/h (5 gpm)
- Minimum operating pressure - 0.3 bar (4 psi)
- Maximum operating temperature - 40^oc (104^oF)

PARTS AND MATERIALS

#	Part	Standard	Optional*
1	Body	uPVC	-
2	Bonnet	Glass reinforced polyamide	PPS
3	Diaphragm**	Natural rubber	ALD, EPDM
4	Spring	SST 302	SST 316

*. Optional parts for special chemical resistance

**.. Wide selection of pressure ranges



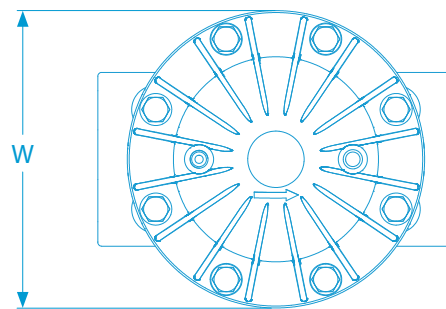
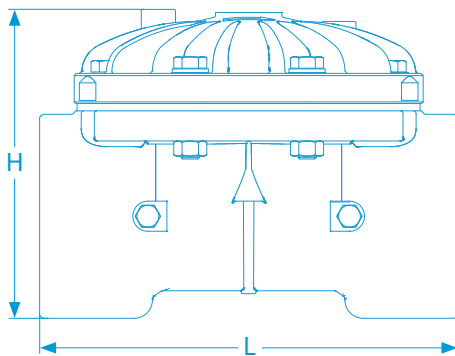
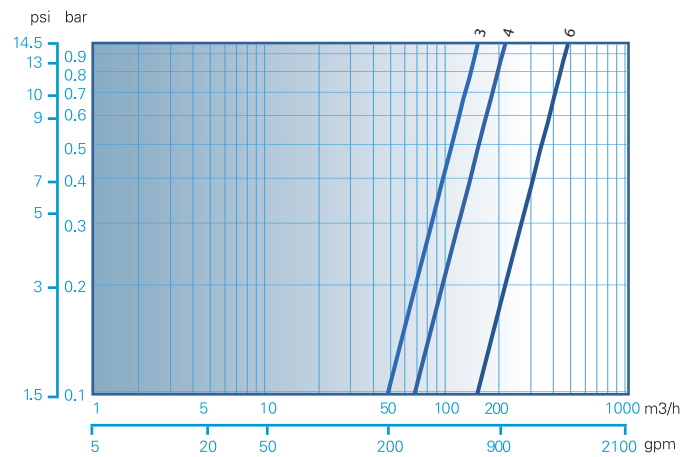


HYDRAULIC PERFORMANCES

Valve Size	inch	3	4	6
	mm	90	110	160
Flow rate factor*	K _v	155	215	480
	C _v	180	250	560

*. In order to calculate the head loss at any desired flow rate, use the following equation: Head loss = (Flow rate/Flow rate factor)²

HEAD LOSS – 3 WAY VALVES



DIMENSIONS

DIAMETER		inch	3	4	6
		mm	90	110	160
HEIGHT	H	mm / inch	208 / 8.06	208 / 8.06	382 / 15
WIDTH	W	mm / inch	229 / 9.16	229 / 9.16	260 / 10.40
LENGTH	L	mm / inch	258 / 10.18	278 / 10.93	360 / 14.18
VOL. CONTROL CHAMBER		cc / gal	681 / 0.18	681 / 0.18	2,575 / 0.68
WEIGHT		kg / lbs	4 / 8.8	4.2 / 9.2	11.8 / 26

*. PVC SW valves are 10mm larger than the pipe to allow solvent welding



100 SERIES - METAL CONTROL VALVES

The powerful and reliable metal valves of 100 series, display remarkable hydraulic performances and provide impeccable control of irrigation systems

APPLICATIONS

Complete valves series (3/4" – 24") designed to operate and protect irrigation networks in field crops, vineyards, orchards, and greenhouses

BENEFITS

- **Outstanding performances**
High flow capacity and very low head losses achieved by a flexible diaphragm that provides a wide water passage throughout the valve's hydrodynamic body
- **Extremely versatile**
The valves are available in globe and angle shapes, with an extensive selection of materials, a full range of control functions and various end connections
- **Ultimate durability**
Long life and easy inline maintenance accomplished by structural simplicity and the use of high-quality materials that can withstand the harshest conditions

TECHNICAL SPECIFICATIONS

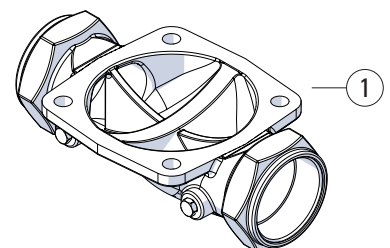
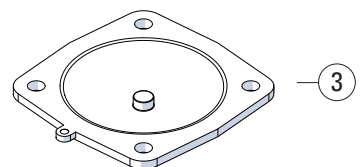
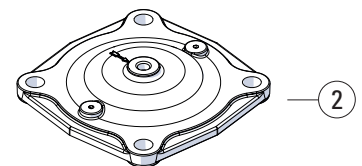
- Maximum pressure - 16 bar (230 psi) and 25 bar (365 psi)
- Minimum recommended flow - 1 m³/h (5 gpm)
- Minimum operating pressure - 0.4 bar (6 psi)

PARTS AND MATERIALS

#	Part	Material	Optional*
1	Body	Cast Iron	Ductile Iron, Bronze, Stainless Steel
2	Bonnet	Cast Iron	Ductile Iron, Bronze, Stainless Steel
3	Diaphragm**	Natural rubber	NBR, EPDM, Neoprene
4	Spring	SST 302	SST 316

*. Optional parts for special resistance

** . Wide selection of pressure ranges





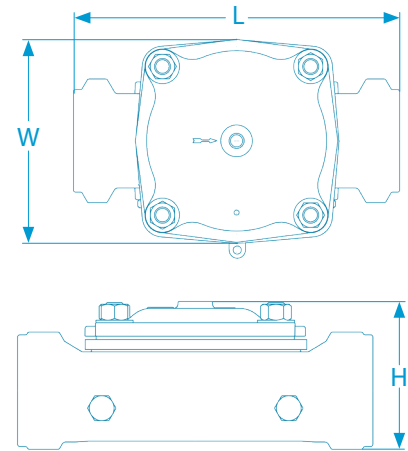
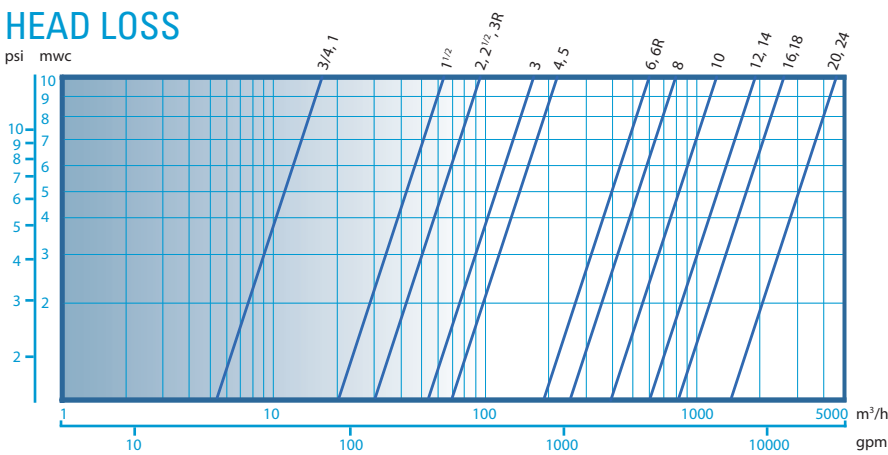
HYDRAULIC PERFORMANCES

Shape		Straight														Angle							
Diameter	inch	3/4	1	1	2	2.5	3R*	3	4	6	8R*	8	10	12	14	16	1.5	2	2.5	3R	3	4	6
	mm	20	25	40	50	65	80	80	100	150	200	200	250	300	350	400	40	50	65	80	80	100	150
Flow rate factor**	K _v	17	17	65	95	95	95	170	220	600	670	800	1250	1900	1900	2600	60	90	90	90	150	200	570
	C _v	20	20	75	110	110	110	200	255	695	775	925	1445	2195	2195	3005	70	105	105	105	175	230	660

*. R – “Reduced” - 3R = 323”, 8R = 868”

** . In order to calculate the head loss at any desired flow rate, use the following equation: Head loss = (Flow rate/Flow rate factor)²

HEAD LOSS



DIMENSIONS - STRAIGHT VALVES

Connection		Threaded							Victaulic						
Diameter	inch	3/4	1	1.5	2	2.5	3R	3	1.5	2	3R	3	4	6	
	mm	20	25	40	50	65	80	80	40	50	80	80	100	150	
Height	H	mm / inch	43 / 1.69	52 / 2.05	93 / 3.66	115 / 4.53	118 / 4.65	126 / 4.96	135 / 5.31	81 / 3.19	100 / 3.94	120 / 4.72	124 / 4.88	133 / 5.24	250 / 9.84
Width	W	mm / inch	68 / 2.68	68 / 2.68	93 / 3.66	112 / 4.41	112 / 4.41	112 / 4.41	200 / 7.87	93 / 3.66	112 / 4.41	112 / 4.41	200 / 7.87	194 / 7.64	300 / 11.81
Length	L	mm / inch	115 / 4.53	120 / 4.72	170 / 6.69	188 / 7.4	219 / 8.62	225 / 8.86	316 / 12.44	177 / 6.97	190 / 7.48	201 / 7.91	286 / 11.26	317 / 12.48	392 / 15.43
Vol. control chamber		cc / gal	30 / 0.007	30 / 0.007	70 / 0.0168	160 / 0.04	160 / 0.04	160 / 0.04	600 / 0.15	70 / 0.0168	160 / 0.04	160 / 0.04	600 / 0.15	600 / 0.15	1800 / 0.50
Weight		kg / lbs	1 / 2.2	1 / 2.2	2.2 / 4.9	3.2 / 7	3.6 / 7.9	4.5 / 9.9	11 / 24	1.8 / 4	2.6 / 5.7	3 / 6.6	11 / 24.3	12 / 26.4	31 / 68.3

*. Flanged valves are available at all diameters (3/4” – 24”) – contact Netafim representative if any specific dimension data is required

DIMENSIONS - ANGLE VALVES

Connection		Threaded					Victaulic	Flanged			
Diameter	inch	1.5	2	3R	3	3	4	3	4	6	
	mm	40	50	80	80	80	100	80	100	150	
Height	H	mm / inch	75 / 2.95	90 / 3.54	114 / 4.49	145 / 5.71	170 / 6.69	185 / 7.28	174 / 6.85	185 / 7.28	230 / 9.06
Width	W	mm / inch	93 / 3.66	112 / 4.41	112 / 4.41	200 / 7.87	200 / 7.87	200 / 7.87	200 / 7.87	230 / 9.06	300 / 11.80
Length	L	mm / inch	75 / 2.95	90 / 3.54	114 / 4.49	145 / 5.71	170 / 6.69	185 / 7.28	174 / 6.85	185 / 7.28	230 / 9.06
Vol. control chamber		cc / gal	70 / 0.0168	160 / 0.04	160 / 0.04	600 / 0.15	600 / 0.15	600 / 0.15	600 / 0.15	600 / 0.15	1800 / 0.50
Weight		kg / lbs	1.7 / 3.7	2.4 / 5.3	3.6 / 7.9	10.8 / 23.8	10.5 / 23.1	11.5 / 25.4	18 / 39.70	21 / 46.30	45 / 99.20



80QR - REINFORCED NYLON SPECIAL QUICK RELIEF

The 80QR is a pilot-operated, universal surge-relief valve, that is designed for the pressure-surge protection of pumps, filtration systems and pipelines

BENEFITS

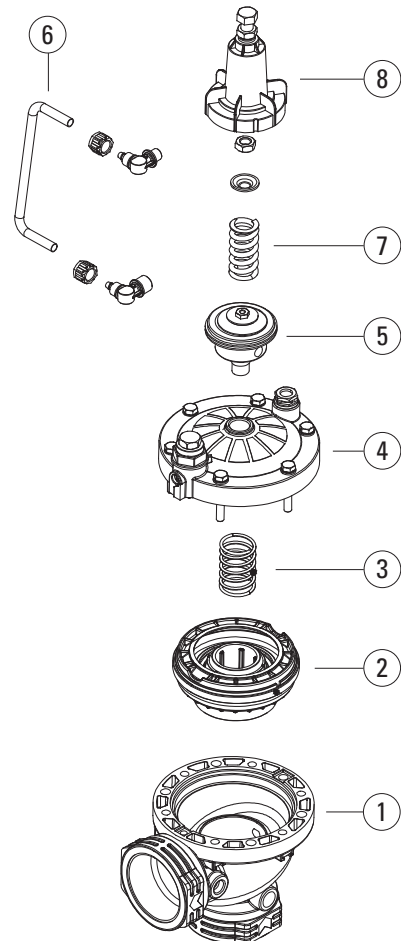
- Fast opening and slow, regulated closure - prevents shuttering and secondary surges
- Extremely accurate: will open and close at the same pressure setting
- Small, light-weight and easy to adjust with just a small key and applying small torque
- Provides relief setting-range from 1 to 10 bar / 15-150 psi

TECHNICAL SPECIFICATIONS

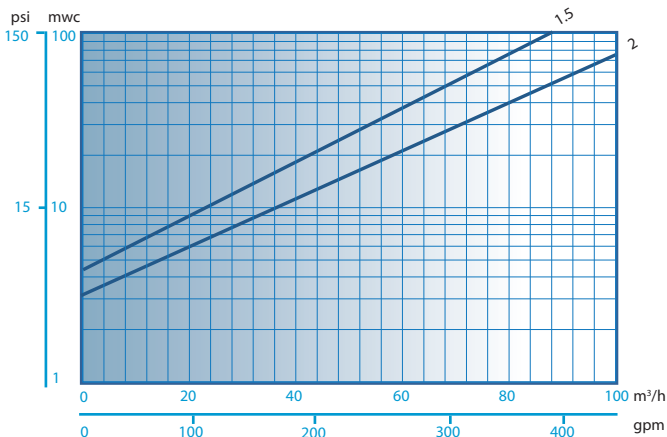
- Maximum pressure - 10 bar (145 psi)
- Maximum operating temperature - 60°C (140°F)

PARTS AND MATERIALS

#	Part	Standard
1	Body	GRP
2	Diaphragm assembly	GRP+NR
3	Main Spring	SST
4	Bonnet	GRP
5	Pilot-Valve base	GRP+SST+NR
6	Control tube	PP
7	Adj. Spring	SST
8	Pilot-valve bonnet	GRP



HEAD LOSS





80W - DUAL OUTLET VALVE

Netafim presents the 80W - High quality dual valve, designed for agriculture applications. For a better affordability, ease of use and a durable construction

BENEFITS

- Specially designed for irrigation when one in independent outlets are required
- Wide operation pressure range, from as low as 0.5 bar up to 10 bar
- Designed for high flow rates while maintaining extremely low pressure losses
- Allows for a wide range of control applications

TECHNICAL SPECIFICATIONS

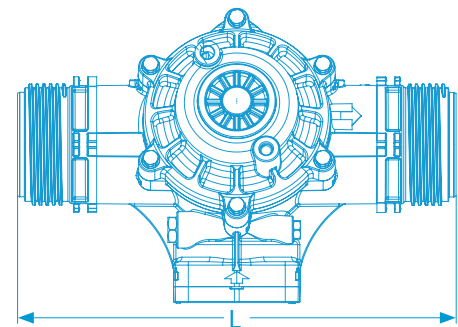
- Maximum pressure - 10 bar (145 psi)
- Minimum recommended flow - 1 m³/h (5 gpm)
- Minimum operating pressure - 0.4 bar (6 psi)
- Maximum operating temperature - 60°C (140°F)

HYDRAULIC PERFORMANCES

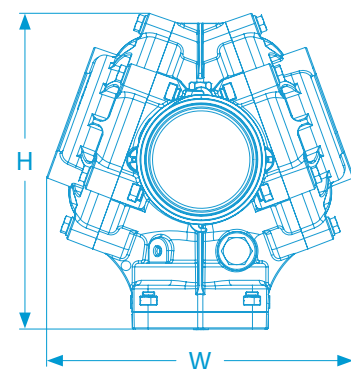
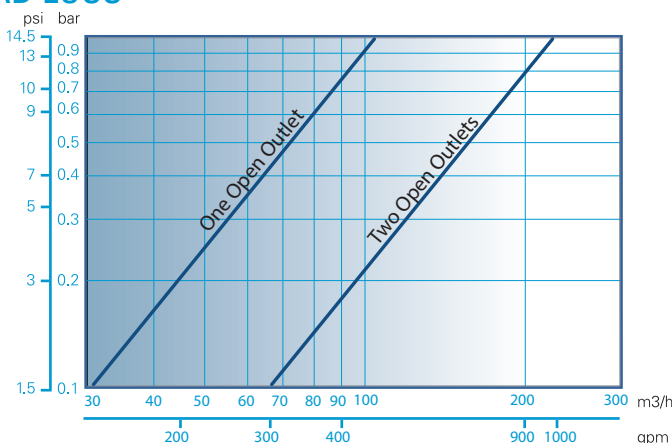
Kv / Cv two open outlets	m ³ /h @ 1 bar	210
	gpm @ 1 psi	242
Kv / Cv one open outlets	m ³ /h @ 1 bar	105
	gpm @ 1 psi	121

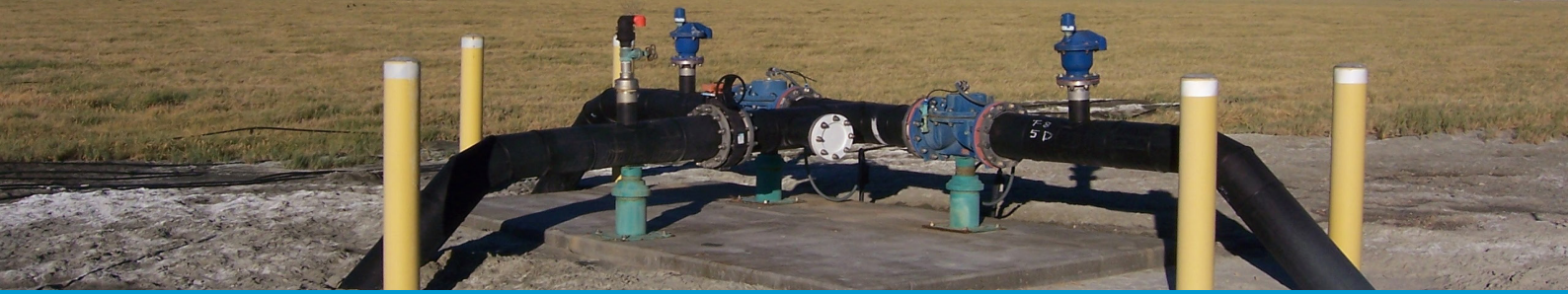
DIMENSIONS

DIAMETER		METRIC	US
HEIGHT	H	259	10.19
WIDTH	W	250	9.84
LENGTH	L	396	15.59
WEIGHT (kg / lbs)		4.4	9.7



HEAD LOSS





TYPICAL APPLICATIONS

MAN Manual Control On/Off

The valve is controlled manually by a three port selector that allows the user to select the closed, opened or remotecontrolled position of the valve. Opening and closing the valve is quick and effortless, even under high pressure conditions



HYD Hydraulic Control On/Off

A 3-way relay valve, activated by hydraulic or pneumatic pressure command, opens or closes the main valve. The standard valve is supplied in the “normally closed” position. The “normally open” position is optional. Hydraulic activation can be added to other control applications on request



ELE Electric Control On/Off

A 3-way solenoid valve, activated by an electric current or an electric pulse, opens or closes the main valve. The standard valve is supplied in the “normally closed” position. The “normally open” position is optional. Electric activation can be added to other control applications on request



PRV Pressure Reducing

The valve maintains a preset downstream pressure, regardless of upstream pressure or flow rate fluctuation. The main valve is controlled by either a 3-way pilot valve (allowing full opening when upstream pressure drops below the pressure set-point), or by a 2-way pilot valve (creating a minimal differential in open position)



PSV Pressure Sustaining (and relief)

The valve maintains upstream pressure, regardless of flow rate variations. The valve will be in the “closed” position if the upstream pressure drops below the set-point and will fully open when the upstream pressure exceeds the set-point





TYPICAL APPLICATIONS

QRV Quick relief

The valve opens instantly when the pressure in the pipeline exceeds the safe level, thus relieving excessive pressure from the network. When the pressure returns to normal, the valve closes slowly, at an adjustable pace



FLV Flow Control

The valve limits the flow rate in the network to a preset value regardless of upstream pressure variations. The valve fully opens when the flow rate drops below the set point



LCV Level Control

The main valve is controlled by a float valve, located in the tank or reservoir and set at the required maximum water level. The valve maintains the maximum level continuously



SAV Surge Anticipating

The valve protects the pumping system from water hammer, caused by sudden pump shut-off (case of power failure, for example). The valve is assembled on a T-junction of the main pipeline, instantly opens when the pump stops, relieving the returning high pressure wave. The valve slowly closes once the pressure returns to the static level. The valve also functions as a pressure relief valve



PCV Pump Control

The valve eliminates damaging surges caused by pump start-up and shut-off. The electrically activated valve gradually opens on pump start up, and slowly closes before the pump is switched off. The valve will automatically close drip tight in case of power failure. Optional Additions: Flow Rate Limitation, Extended Closure, Two Stage Operating, Pressure Reducing and Pressure Sustaining



PILOTS, SOLENOIDS AND HYDRAULIC RELAYS

PLASTIC PILOTS

Pressure rating: 10 bar / 145 psi

29-10R	3-way multi purpose (pressure reducing and sustaining)
29-200	3-way pressure reducing pilot valve
29-310	3-way differential multi purpose (flow control, differential pressure reducing)



29-10R



29-200



29-310

METAL PILOTS

Pressure rating: 25 bar / 360 psi

31-310	3-way multi purpose (pressure reducing and sustaining)
31-10R/S/F	3-way multi purpose (pressure reducing and sustaining) and flow control
76-200	3 way differential multi purpose (flow control, differential pressure sustaining)
68-410/510	2-way (pressure reducing and sustaining)



31-310



31-10F



76-200



68-410

SOLENOIDS

Pressure rating: from 10 bar/145 psi to 25 bar/360 psi

Operating voltage: AC:24V DC:12V-24V DC LATCH:7.5V-30V

D2	2-way NC solenoid
Aquative AC/DC	3-way NC or NO solenoid
B2	2-way NC or NO solenoid
B3	2-way NC or NO solenoid



D2



Aquative AC/DC



B2



B3

HYDRAULIC RELAYS

Pressure rating: from 10 bar/145 psi to 25 bar/360 psi

25-300	3-way / 2 positions NO w. 3/8"
Galit	3-way / 2 positions NC or NO
66-210	3-way / 2 positions NC or NO
28-200	2-way / 2 positions



25-300



Galit



66-210



28-200

S100¹ CI² 6"³ A⁴ DN16⁵ PRS⁶ MP⁷ GR⁸ AQAC⁹ 3WNC¹⁰ PH¹¹

SERIES

S75	75 PLASTIC
S75T	75PL+THROTTLE
S80	80 PLASTIC
S80T	80PL+THROTTLE
S80V	80 "T" ONE CHAMBER
S80W	80 "T" DUAL CHAMBER
S95	95 PVC THREADED
S96	96 PVC SW
S100	100 METAL
S300	300 METAL
S500	500 METAL

NOMINAL DIAMETER

3/4	3/4" (20mm)
1"	1" (25mm)
1.5	1.5" (40mm)
2"	2" (50mm)
2.5	2.5" (65mm)
3"R	323" (80*50*80mm)
3"	3" (80mm)
4"R	434" (100*80*100mm)
4"	4" (100mm)
90	90mm (PVC)
110	110mm (PVC)
160	160mm (PVC)
6"R	6" (150*100*150mm)
6"	6" (150mm)
8"R	868" (200*150*200mm)
8"	8" (200mm)
10"	10" (250mm)
12"	12" (300mm)
14"	14" (350mm)
16"	16" (400mm)
18"	18" (450mm)
20"	20" (500mm)
24"	24" (600mm)
28"	28" (700mm)
32"	32" (800mm)

PILOT

PP	PLASTIC PILOT
MP	METAL PILOT*

* For metal valve only

MATERIAL

PL	REINFORCED NYLON
PP	POLYPROPYLENE
PV	PVC
CI	CAST IRON
DI	DUCTILE IRON
BR	BRONZE
SS	STAINLESS STEEL

MAIN FUNCTION

BAS	BASIC
MAN	MANUAL CONTROL ON/OFF
HYD	HYDRAULIC CONTROL ON/OFF
ELE	ELECTRIC CONTROL ON/OFF
PRV	PRESSURE REDUCING
PSV	PRESSURE SUSTAINING (AND RELIEF)
PRS	PRESSURE REDUCING & SUSTAINING
FLV	FLOW CONTROL
QRV	QUICK RELIEF
LCV	LEVEL CONTROL
SAV	SURGE ANTICIPATING
TOV	PRESSURE REDUCING, TWO STAGE OPENING
TSV	PRESSURE REDUCING, TWO SETS OF PRESSURE
PCV	PUMP CONTROL VALVE

PILOT SPRING

Y	YELLOW SPRING
G	GREEN SPRING
R	RED SPRING

*For PRS: 1st value for the PR and 2nd value for the PS

VALVE'S MODE

3WNC	3-WAY N.C
2WNC	2-WAY N.C
3WNO	3-WAY N.O
2WNO	2-WAY N.O
2W	2-WAY*
3W	3-WAY*

* Manual and remote control only
Valves configuration

CONFIGURATION

H	HORIZONTAL
A	ANGLE

CONNECTION

NPT	NPT
BSP	BSP
UNF	UNIVERSAL FLANGE*
DN10	ISO PN10**
DN16	ISO PN16**
AN12	ANSI 125**
AN15	ANSI 150**
BSTD	BSTD**
ABNT	ABNT**
VIC	GROOVED
GLUE	PVC SOLVENT WELDED

* Plastic only
** Metal only

SOLENOID TYPE

AQAC	SOLENOID AQAUTIVE 24AC
AQDC	SOLENOID AQAUTIVE 12-40VDC LATCH
D24A	DOROT SOLENOID 24VAC
D24D	DOROT SOLENOID 24VDC
D12D	DOROT SOLENOID 12VDC
D12L	DOROT SOLENOID 12VDC LATCH
24AC	OTHER SOLENOID 24VAC
24DC	OTHER SOLENOID 24VDC
12DC	OTHER SOLENOID 12VDC
12DL	OTHER SOLENOID 12VDC LATCH

ACCESSORIES

C/2C	Check point (1 unit, 2 unit)
P/2P	Pressure gauge (1 unit, 2 unit)
H	Hydraulic relay
F	Float
O	Orifice (please indicate the required flow rate)
T	Shuttle T
N	Non-return feature
S	3 way manual valve

Standard accessories - shown in the description.
For out of standard accessories please contact Netafim representative

STANDARDS TABLE

VALVE		ACCESSORIES					
FUNCTION	TYPE	PRESSURE GRADE	PILOT	CHECK POINT		PRESSURE GAUGE	
				UPSTREAM	DOWNSTREAM	UPSTREAM	DOWNSTREAM
PRESSURE REDUCING VALVE	Plastic up to 6"	PN-10	29-100		✓		
	Metal up to 6"	PN-10	29-100 (3W/2W)		✓		
		PN-16	31-10R (3W/2W) 68-410 (2W) *.Check point only)		✓		✓
		All standards	31-310				✓
PRESSURE SUSTAINING VALVE	Plastic up to 6"	PN-10	29-200	✓			
	Metal up to 6"	PN-10	29-200	✓			
		PN-16	31-10S			✓	
	Metal 8" and up	All standards	31-310			✓	
PRESSURE REDUCING & SUSTAINING VALVE	Plastic up to 6"	PN-10	29-100+29-200	✓	✓		
	Metal up to 6"	PN-10	29-100+29-200	✓	✓		
		PN-16	31-10R+31-10S			✓	✓
	Metal 8" and up	All standards	31-310+31-310			✓	✓
QUICK RELIEF VALVE	Plastic up to 4"R	PN-10	29-500	✓			
	Metal up to 2"	PN-16	68-510	✓			
	Metal 2" - 3"R	PN-16	68-215	✓			
	Metal 3" and up	All standards	68-510			✓	
CONTROL TUBES	8mm PE tube	All PN-10 Valves or valves with Plastic pilot supplied with 8mm PE tubes All PN-16 Valves or valves with Metal pilot supplied with Parker tubes (other tubing options - upon request)					
	Parker Tube						

PILOT	29-100	29-10R	29-200	68-410	31-10R	31-10S	31-310
PRESSURE RANGE - BAR (PSI)	0.3-3.5 (4.5-50)	0.3-3.5 (4.5-50)	0.3-3.5 (4.5-50)	0.5-3 (7-45)			0.3-6 (4.5-90)
	0.5-5 (7-70)	0.5-5.5 (7-80)	0.5-5 (7-70)	1-11 (15-160)	0.5-6 (7-85)	0.5-6 (7-85)	0.5-10 (7-150)
	1-8 (15-115)	1-8.5 (15-125)	1-8 (15-115)	2-25 (30-360)	1.5-12 (22-175)	1.5-12 (22-175)	0.6-15 (9-220)

