ARMAŞ®

www.armas.com.tr

SMART SOLUTIONS
FOR WATER

600 Series
Hydraulic Control Valves
Waterworks • Irrigation



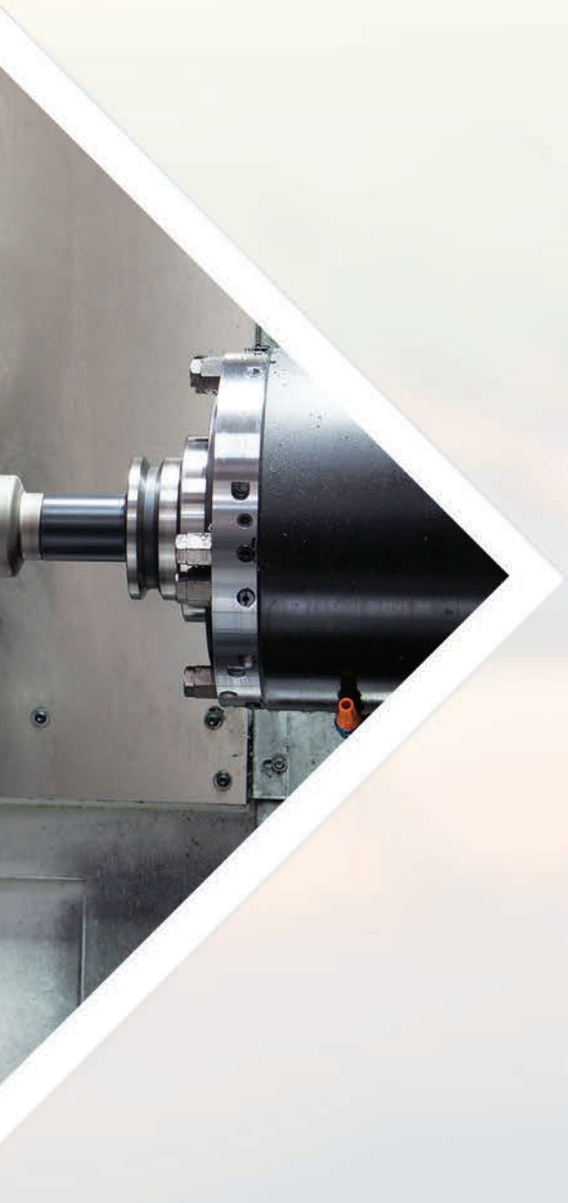

COMPANY PROFILE

ARMAŞ A.Ş. was founded in 1998 to produce valves for potable water and agricultural irrigation systems. It has become one of the leader establishments of its sector in a short time thanks to ARMAŞ makes valves.

ARMAŞ A.Ş. has given high quality services with economical prices to his costumers in industry, potable water networks and agricultural irrigation systems by means of Hydraulic Control Valves, Automatic Filtration Systems, Gate Valves, Ball Valves, Strainers, Check Valves, Air Valves and Hydrants he produced. Our company who does not sacrifice quality in production has used ISO 9001-2000 Quality Management System since 2000. In the scope of importance we gave for both human and environment, we have developed our institutional structure day by day with ISO 14001 Environmental Management System Certificate and TS 18001 Occupational Healthy and Safety Certificate since 2007.

Our products have been subjected to pressure and performance tests before sales by Quality Control Department and technical support services have been given at the installation, operation and maintenance stages after sales by our experienced engineers.

Our company who have continued R&D investments in order to present more quality and reliable products to his costumers, will continue its costumer-satisfaction focused services with increasing achievements in future thanks to his dynamic staff, powerful brand and permanent developing structure.



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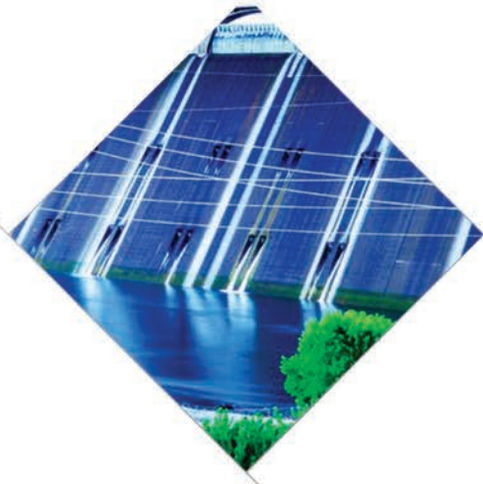


• INDEX








GENERAL DESCRIPTION

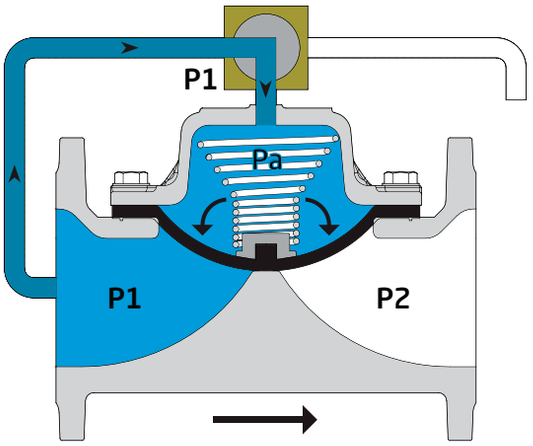
Armaş 600 series valves are the direct diaphragm closing automatic hydraulic control valves which work with line pressure. It ensures easy and smooth flow with minimum pressure losses thanks to excellent design of valve body and diaphragm. No wearable parts such as stem, bearing and seat exist in main valve body, valve life is much longer than other competitor valves. Only movable part of valve is diaphragm. Armaş 600 serial hydraulic control valves are designed so that it can be used in potable water force network, agricultural irrigation, fire fighting, filtration, industrial applications by even an unskilled personal.

CONTROL SYSTEM COMPONENTS

- Easy use and maintenance due to simple design
- Low cost
- Operation in wide pressure range
- Perfect modulation even in lower flow rates
- Anti-surge closing and opening with flexible diaphragm
- Full tightness thanks to reinforced diaphragm and inner spring
- Long life with epoxy-polyester coating
- Wide control application range by using different pilot valves
- Operation in both horizontal and vertical positions in application areas

WORKING PRINCIPALS

It is automatic hydraulic control valve designed for make desired modulation processes in main valve network line as full hydraulically by means of line pressure without requiring different energy sources such as electric, pneumatic on mechanic energy.



A

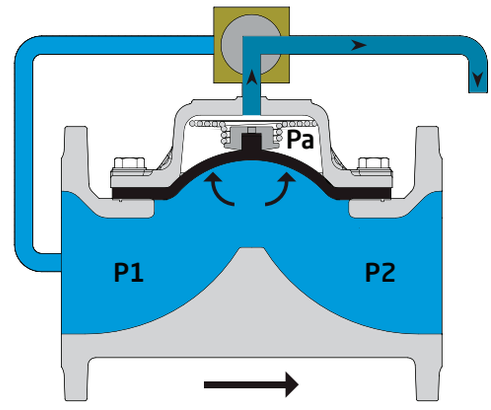
Valve Closing Mode

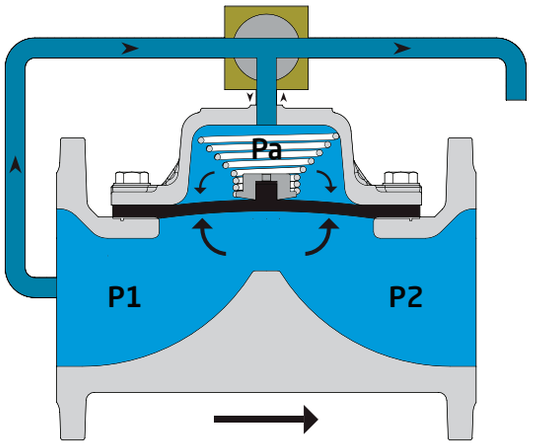
When pilot valves connected on main valve transport water pressure in valve upstream to valve actuator (control chamber), water creates a hydraulic power on valve diaphragm. This power formed, by combining with extra power applied by inner spring, ensures that valve will be closed as full tightness.

Valve Opening Mode

When way of pilot valve located on main valve being in closed position is brought into relief position, pressurized water within control chamber on main valve diaphragm is released. When line pressure (P1) reaches to the value which will overcome spring power, water carries valve to fully open position by applying a hydraulic power to valve diaphragm from bottom.

B

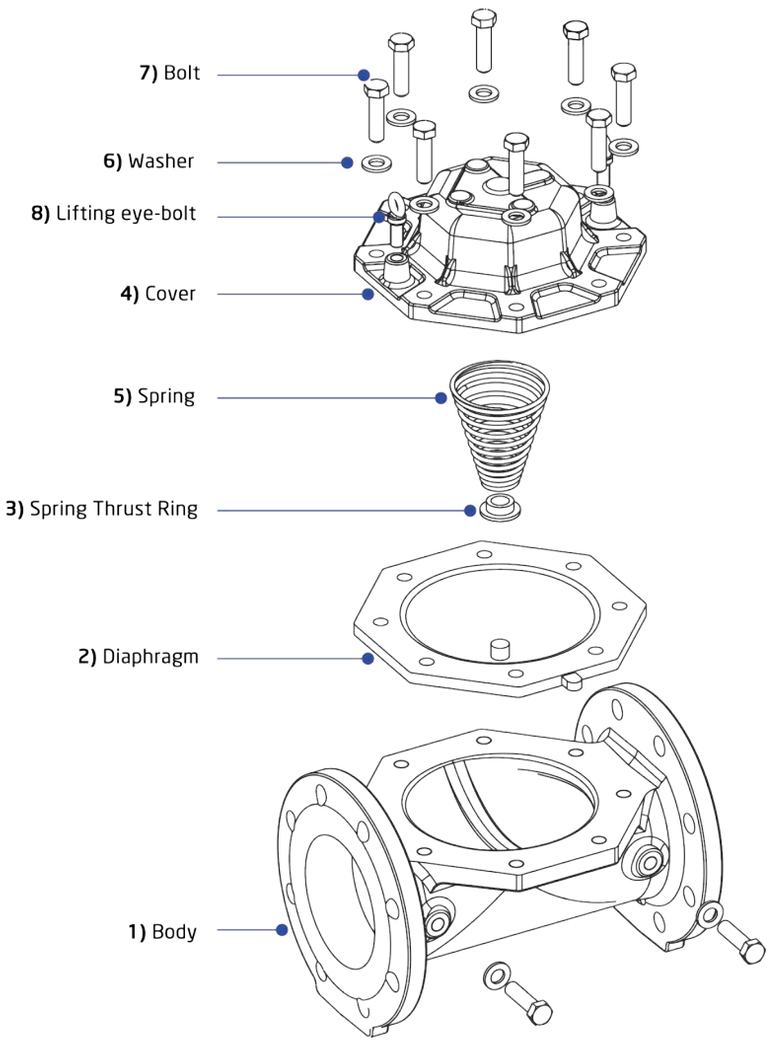




C

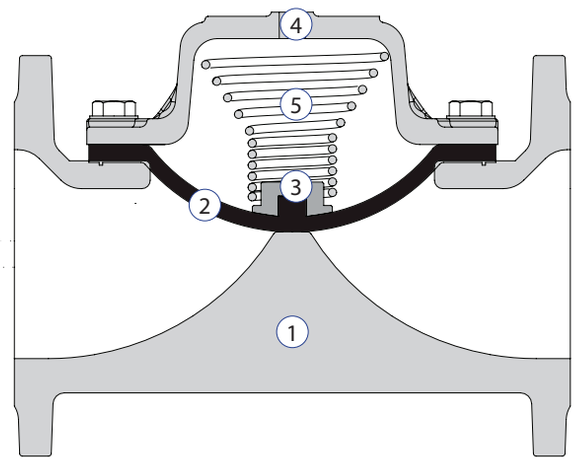
Modulation Mode

Pilot valves which are connected to main valve actuator ensure that main valve works in modulated mode. According to flow rate or pressure conditions, it ensures that main valve works in modulated mode by controlling pressure of fluid within main valve actuator (control chamber).



9) Position Indicator Kit

MAIN PARTS	NO	PART NAME	MATERIAL
	1	Body	Standard: GG25 (Cast Iron)
			Optional: GGG40 (Ductile Iron)
	2	Diaphragm	Standard: Nylon reinforced Natural Rubber
			Optional: EPDM, Nitrile, Neoprene
	3	Spring Thrust Ring	Polyamide
	4	Cover	Standard: GG25 (Cast Iron)
			Optional: GGG40 (Ductile Iron)
	5	Spring	Standard: SST 302
			Optional: SST 316
	6	Washer	Standard: Coated Steel
			Optional: SST
	7	Bolt	Standard: Coated Steel
			Optional: SST
	8	Lifting eye-bolt	Standard: Coated Steel
			Optional: SST
	9	Position Ind. Kit (Optional)	Standard: SST+Brass



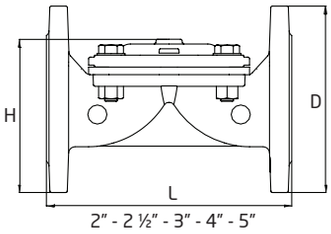
TECHNICAL SPECIFICATIONS

PRESSURE RATING	Standard	0,7 - 16 bar (10 - 240 psi)	
	Low Pressure Range	0,5 - 10 bar (7,5 - 160 psi)	
	High Pressure Range	0,7 - 25 bar (10 - 360 psi)	
TEMPERATURE	Min. Operating Temperature	- 10 °C (14 °F) DIN 2401/2	
	Max. Operating Temperature	80 °C (176 °F) DIN 2401/2	
CONNECTION	Flanged	Standard: EN 1092/2	Optional: ANSI, BS 10-E
	Threaded	Standard: BSP	Optional: NPT
	Grooved End	Victaulic	
COATING	Standard	Epoxy	
	Optional	Polyester	
HYDRAULIC CONNECTIONS	Standard	Reinforced Nylon (Air Brake) • Hydraulic Pipe • SAE J 844	
	Optional	Copper, SST	
ACTUATOR TYPE	Diaphragm Closing Type with Single Control Chamber and Diaphragm Actuator		

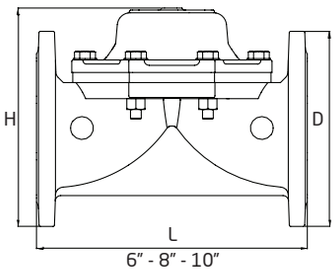
MODELS

	67		67D		66		66D		64		63		63D	
SPECIFICATIONS														
CONNECTION	Flanged		Flanged		Threaded		Threaded		Threaded		Grooved End		Grooved End	
MATERIAL	GG25		GGG40		GG25		GGG40		GG25		GG25		GGG40	
BODY	Straight		Straight		Straight		Straight		Angle		Straight		Straight	
MAXIMUM OPERATING PRESSURE	16 bar 240 psi		25 bar 360 psi		16 bar 240 psi		25 bar 360 psi		16 bar 240 psi		16 bar 240 psi		25 bar 360 psi	
AVAILABLE SIZES	**INCH**	**MM**	**INCH**	**MM**	**INCH**	**MM**	**INCH**	**MM**	**INCH**	**MM**	**INCH**	**MM**	**INCH**	**MM**
	2	50	2	50	1½	40	1½	40	2	50	2	50	2	50
	2½	65	2½	65	2	50	2	50	2½	65	2½	65	2½	65
	323	80*50	323	80*50	2½	65	2½	65	3	80	3	80	3	80
	3	80	3	80	323	80*50	323	80*50			4	100	4	100
	4	100	4	100	3	80	80	80						
	5	125	5	125										
	6	150	6	150										
	8	200	8	200										
	10	250	10	250										
	12	300	12	300										

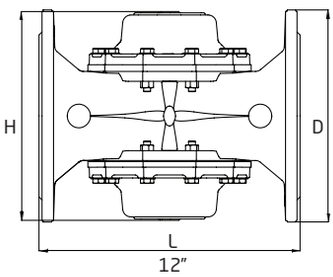
WEIGHT and DIMENSION



2" - 2 ½" - 3" - 4" - 5"



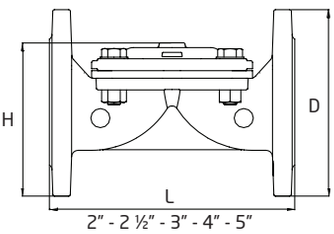
6" - 8" - 10"



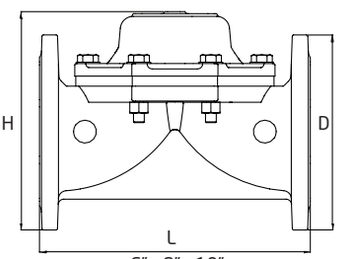
12"

MODEL 67

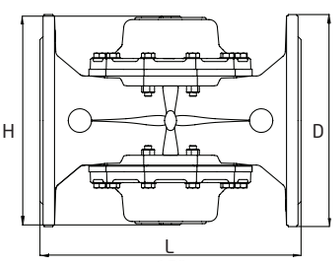
DN		D		L		H		WEIGHT	
inch	mm	inch	mm	inch	mm	inch	mm	Lbs	kg.
2	50	6,6	166,5	7,9	200	6,1	154	15,4	7
2½	65	7,3	186,5	8,4	214	6,4	162	21	9,5
323	80*50	7,9	200	8,5	215	6,3	160	22,2	10
3	80	8,0	202	11,5	291	7,2	182	36,3	16,5
4	100	9,2	234	12,0	305	7,7	194,5	40,7	18,5
5	125	10,0	253,5	14,5	369	8,0	204	52,8	24
6	150	11,4	290	15,9	403	12,8	325	104,5	47,5
8	200	13,5	342	19,4	494	15,7	400	177,1	80,5
10	250	16,2	411,5	24,1	611	18,2	463	255,2	116
12	300	19,5	495	24,0	609	19,2	487,5	343,2	156



2" - 2 ½" - 3" - 4" - 5"



6" - 8" - 10"

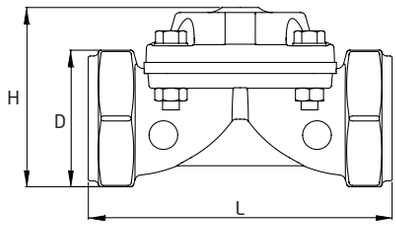


12"

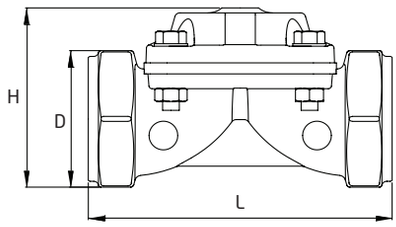
MODEL 67D

DN		D		L		H		WEIGHT	
inch	mm	inch	mm	inch	mm	inch	mm	Lbs	kg.
2	50	6,6	166,5	7,9	200	6,1	154	18,7	8,5
2½	65	7,3	186,5	8,4	214	6,4	162	22,2	11
323	80*50	7,9	200	8,5	215	6,3	160	27,5	12,5
3	80	8,0	202	11,5	291	7,2	182	46,2	21
4	100	9,2	234	12,0	305	7,7	194,5	51,7	23,5
5	125	10,0	253,5	14,5	369	8,0	204	61,6	28
6	150	11,4	290	15,9	403	12,8	325	118,8	54
8	200	13,5	342	19,4	494	15,7	400	237,6	108
10	250	16,2	411,5	24,1	611	18,2	463	290,4	132
12	300	19,5	495	24,0	609	19,2	487,5	385	175

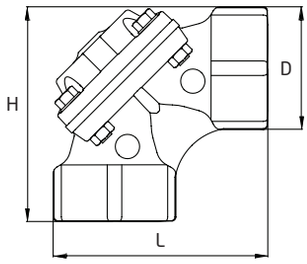
WEIGHT and DIMENSION



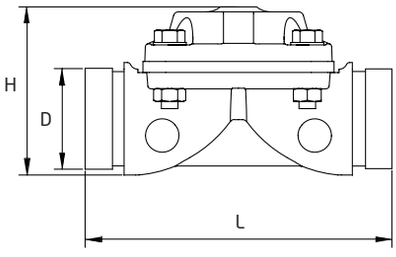
MODEL 66	DN		D		L		H		WEIGHT	
	inch	mm	inch	mm	inch	mm	inch	mm	Lbs	kg.
	1½	40	2,6	66	6,3	161	3,4	87	6,6	3
	2	50	3,2	82	7,2	182	4,3	108	8,8	4
	2½	65	3,7	93	8,5	216	4,4	112	9,9	4,5
	323	80*50	4,3	110	8,7	220	4,7	120	12,1	5,5
	3	80	4,3	110	12,7	323	4,9	125	24,2	11



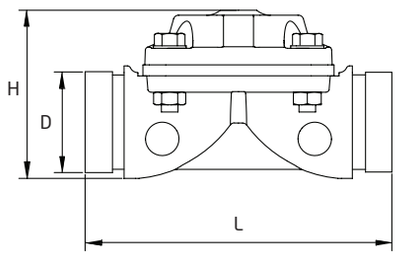
MODEL 66D	DN		D		L		H		WEIGHT	
	inch	mm	inch	mm	inch	mm	inch	mm	Lbs	kg.
	1½	40	2,6	66	6,3	161	3,4	87	8,8	4
	2	50	3,2	82	7,2	182	4,3	108	11,4	5,2
	2½	65	3,7	93	8,5	216	4,4	112	14,3	6,5
	323	80*50	4,3	110	8,7	220	4,7	120	17,6	8
	3	80	4,3	110	12,7	323	4,9	125	28,6	13



MODEL 64	DN		D		L		H		WEIGHT	
	inch	mm	inch	mm	inch	mm	inch	mm	Lbs	kg.
	2	50	3,1	80	5,1	130	5,3	135	6,6	3
	2½	65	3,7	93	6,4	163	6,4	163	11	5
	3	80	4,3	110	8,3	212	8,8	223	24,2	11



MODEL 63	DN		D		L		H		WEIGHT	
	inch	mm	inch	mm	inch	mm	inch	mm	Lbs	kg.
	2	50	2,4	61	7,3	185	4,0	101,5	6,6	3
	2½	65	3,0	76	8,6	218	4,3	108	8,8	4
	3	80	3,5	89	12,1	308	4,9	125	24,2	11
	4	100	4,5	114	12,3	313	5,5	138,5	28,6	13



MODEL 63D	DN		D		L		H		WEIGHT	
	inch	mm	inch	mm	inch	mm	inch	mm	Lbs	kg.
	2	50	2,4	61	7,3	185	4,0	101,5	9,4	4,3
	2½	65	3,0	76	8,6	218	4,3	108	12,5	5,7
	3	80	3,5	89	12,1	308	4,9	125	28,6	13
	4	100	4,5	114	12,3	313	5,5	138,5	35,6	16,2

DIAPHRAGM SELECTING TABLE

SIZE		DIAPHRAGM		PRESSURE RANGE	
inch	mm	Type	No	mwc	psi
1½	40	Standard	#02	26 - 100	38 - 145
2 323	50 80 - 50 - 80	Low Pressure	#03	10 - 100	15 - 145
		Standard	#05	25 - 160	36 - 230
		High Pressure	#07	10 - 250	15 - 360
2½	65	Low Pressure	#03	10 - 100	15 - 145
		Standard	#05	25 - 160	36 - 230
		High Pressure	#07	10 - 250	15 - 360
3	80	Low Pressure	#13	6 - 100	9 - 145
		Standard	#15	12 - 160	17 - 230
		High Pressure	#17	10 - 250	15 - 360
4	100	Low Pressure	#13	6 - 100	9 - 145
		Standard	#15	12 - 160	17 - 230
		High Pressure	#17	10 - 250	15 - 360
5	125	Low Pressure	#13	6 - 100	9 - 145
		Standard	#15	12 - 160	17 - 230
		High Pressure	#17	10 - 250	15 - 360
6	150	Low Pressure	#23	8 - 100	12 - 145
		Standard	#25	10 - 160	15 - 230
		High Pressure	#27	10 - 250	15 - 360
8	200	Low Pressure	#33	4 - 100	6 - 145
		Standard	#35	10 - 160	15 - 230
		High Pressure	#37	10 - 250	15 - 360
10	250	Low Pressure	#43	4 - 100	6 - 145
		Standard	#45	7 - 160	10 - 230
		High Pressure	#47	10 - 250	15 - 360
12	300	Low Pressure	#33	4 - 100	6 - 145
		Standard	#35	10 - 160	15 - 230
		High Pressure	#37	10 - 250	15 - 360

HYDRAULIC PERFORMANCE

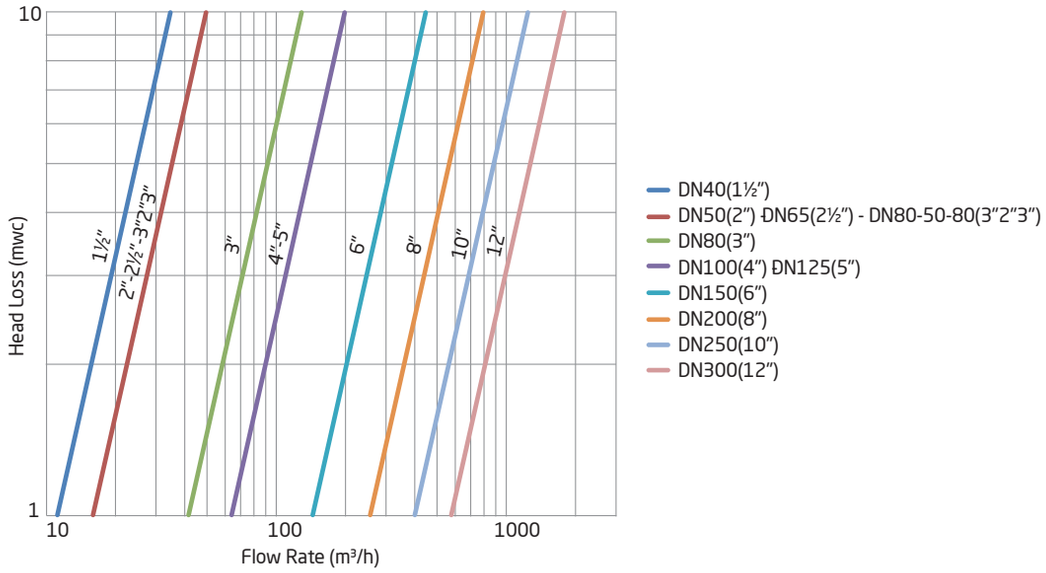
Valve Size	mm	40	50	65	80-50-80	80	100	125	150	200	250	300
	inch	1½	2	2½	323	3	4	5	6	8	10	12
Kv	m³/h @ 1 bar	35	50	50	50	130	200	200	450	800	1250	1800
Cv	gpm @ 1 psi	45	60	60	60	150	231	231	520	925	1450	2080
Max. Flow Continuance	m³/h	25	39	39	39	100	156	156	350	622	972	1400
	gpm	110	171	171	171	438	685	685	1541	2739	4279	6162
Max. Flow Intermittent	m³/h	50	78	78	78	199	311	311	477	848	1325	1909
	gpm	219	342	342	342	876	1369	1369	2101	3735	5836	8403
Vol. Control Chamber	lt	0,073	0,132	0,132	0,132	0,466	0,466	0,466	2,270	5,063	8,512	10,126

Kv : Valve Flow Coefficient (fluid passing in 1 bar pressure lose in m³/h and 1 bar)
Cv : Valve Flow Coefficient (fluid passing in 1 bar pressure lose in gpm and 1 psi)
Q : Flow Rate (m³/h, gpm)
ΔP : Head Loss (bar, psi)
G : Specific weight of water (1.0)

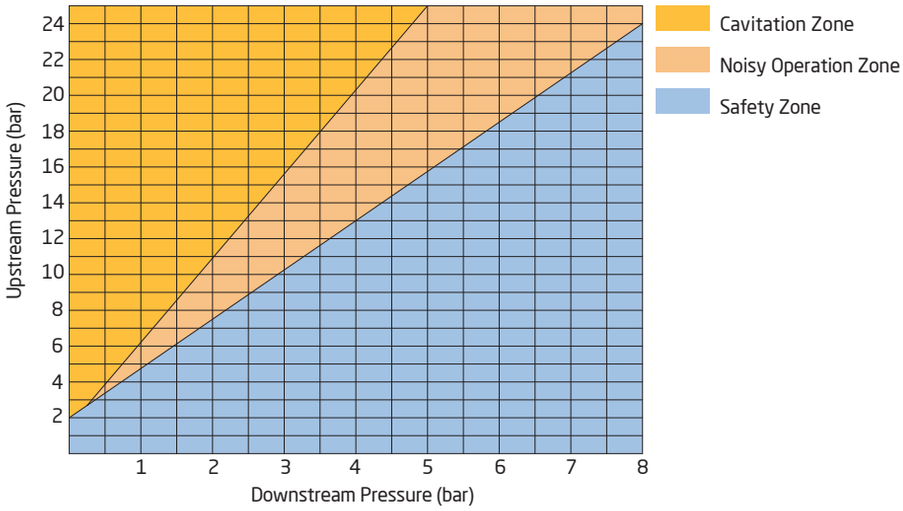
$$Kv, (Cv) = Q.\sqrt{\frac{G}{\Delta P}}$$

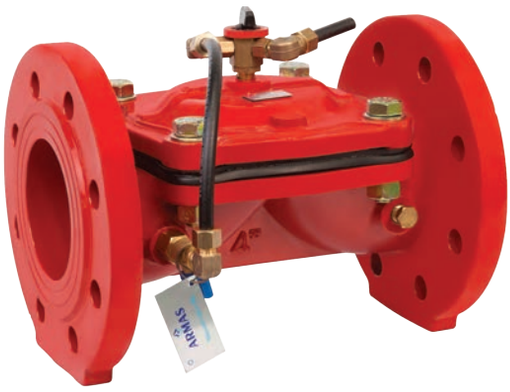
Cv=1,155 Kv

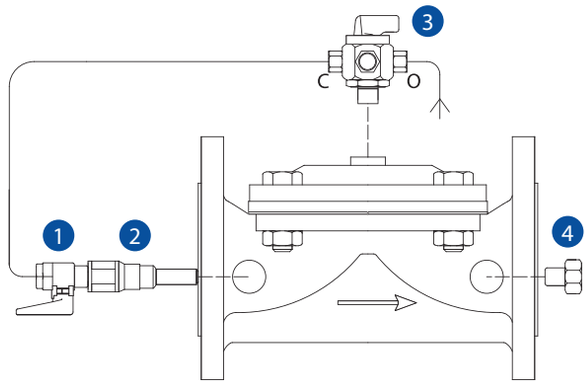
HEAD LOSS CHART



CAVITATION CHART







DESCRIPTION

Armaş "M" model valve is the hydraulic control valve operated by line pressure and designed to ensure opening/closing process by means of 3-way selector valve. Minimum opening pressure of valve is 0.7 bar. Thanks to its flexible diaphragm, it makes easy and fast control process in high pressure applications and is closed as full tightness without causing surge. It may be used in different applications by adding different pilot valves on its main body.

CONTROL SYSTEM COMPONENTS

1. Ball Valve
2. In-line Finger Filter
3. 3- Way Selector Valve
4. Plug

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

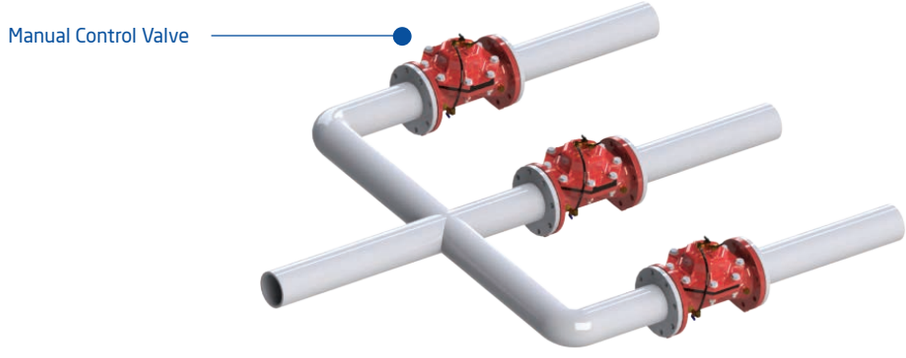
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

Please submit following information to our sales department while ordering.

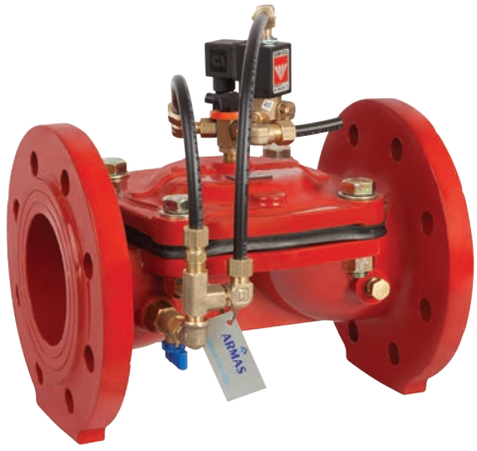
Maximum flow rate	: m³/h	Main line size	: mm
Maximum network/line pressure	: bar	Valve connection type	: ---

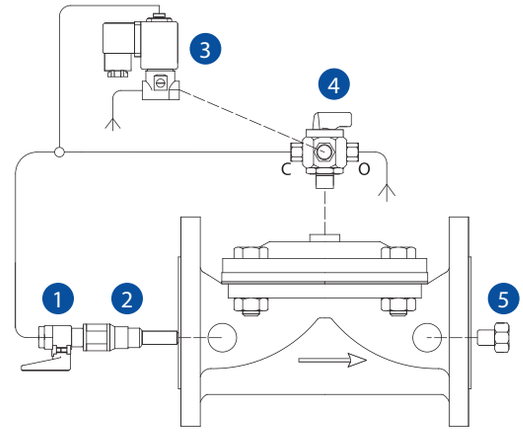
TYPICAL APPLICATION



Armaş Manual Control Valves can be used as on-off valve instead of mechanical valves at water network lines.

EL SOLENOID CONTROLLED VALVE





DESCRIPTION

Armaş "EL" model valve is the hydraulic control valve operated by line pressure and designed to ensure opening/closing process by means of built-in 3/2-way solenoid pilot valves controlled remotely with electric signal. Electric signal for solenoid pilot valves is ensured by means of a control device, time relay, main switch and PLC control units etc. Opening/ Closing process may be realized easily thanks to manual control on solenoid pilot valve. Depending on desire, 24V AC 50Hz/60Hz or 12V DC, 9V DCLATCH and 12V DC latch normally open (N.O.) or normally closed (N.C.) solenoid coils may be used on main valve.

CONTROL SYSTEM COMPONENTS

1. Ball Valve
2. In-line Finger Filter
3. Solenoid Pilot Valve
4. 3- Way Selector Valve
5. Plug

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

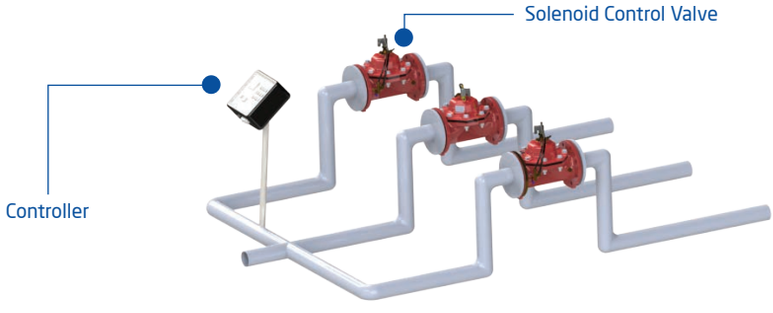
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

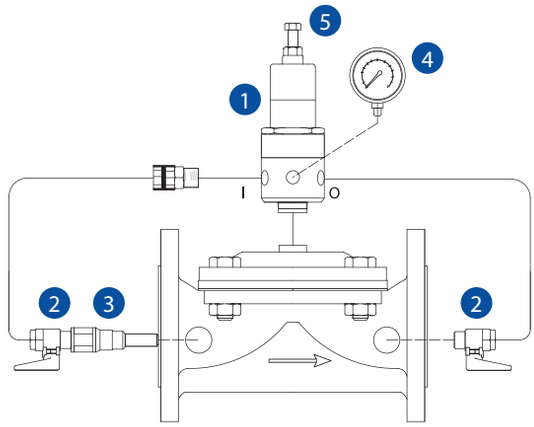
Please submit following information to our sales department while ordering.

Maximum flow rate	: m^3/h	Valve connection type	: ---
Maximum network/line pressure	: bar	Electric voltage value to be used	: volt
Main line size	: mm		

TYPICAL APPLICATION



Armaş Solenoid Controlled Valves can be used with a local control unit or advanced automatin systems.



DESCRIPTION

Armaş "PR" model pressure reducer control valve is the hydraulic control valve which reduces high upstream pressure value into desired lower pressure value by means of built-in pressure reducing pilot valves. Pressure reducer control valve controls downstream pressure value continuously and maintains it constant without being affected from flow rate and upstream pressure values. When no flow exists in the system, it is closer by itself automatically. When valve upstream pressure value decreases below adjusted downstream pressure value, it is opened fully by itself.

CONTROL SYSTEM COMPONENTS

1. Pressure Reducing Pilot Valve
2. Ball Valves
3. In-line Finger Filter
4. Pressure Gauge
5. Adjustment Bolt

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

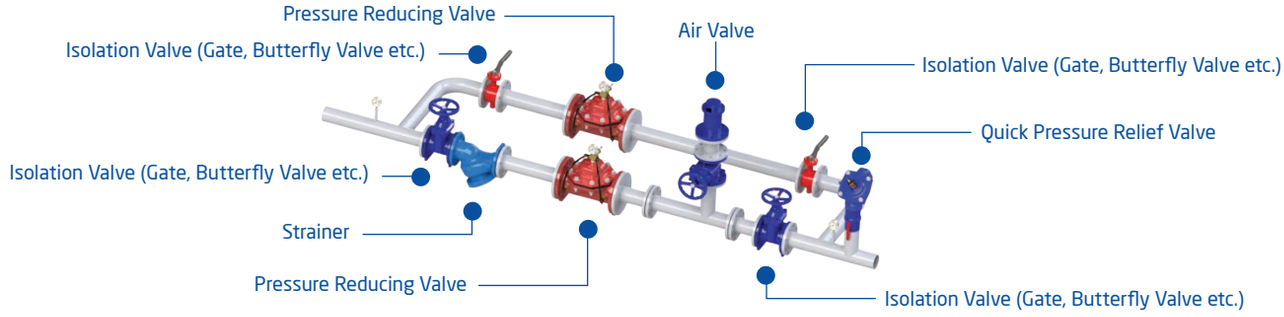
Please submit following information to our sales department while ordering.

Maximum flow rate	: m^3/h
Maximum network/line pressure	: bar
Main line size	: mm
Valve connection type	: ---
Maximum upstream pressure	: bar
Minimum upstream pressure	: bar
Desired downstream pressure	: bar

3-WAY PILOT OPERATING

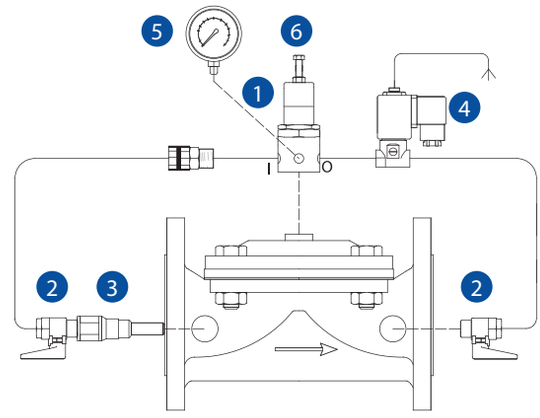
3-way pilots are recommended to use at the application which has very close values between upstream and set pressure because of 3-way pilots provide less head loss.

TYPICAL APPLICATION



Armaş Pressure Reducing Valves reduce pressure to setted downstream pressure value without affecting upstream pressure value at pressure chambers and supplying lines.

PREL SOLENOID CONTROLLED PRESSURE REDUCING VALVE



DESCRIPTION

Armaş "PREL" model pressure reducing valve is the hydraulic control valve which reduces high upstream pressure value into desired lower pressure value. Control of main valve is achieved by means of built-in 3/2 -way solenoid pilot valves. Electric signal for solenoid pilot valves is ensured by means of a control device, time relay, main switch and PLC control units etc. Automated control may be easily ensured by this way in application systems.

CONTROL SYSTEM COMPONENTS

1. Pressure Reducing Pilot Valve
2. Ball Valves
3. In-line Finger Filter
4. Solenoid Pilot Valve
5. Pressure Gauge
6. Adjustment Bolt

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

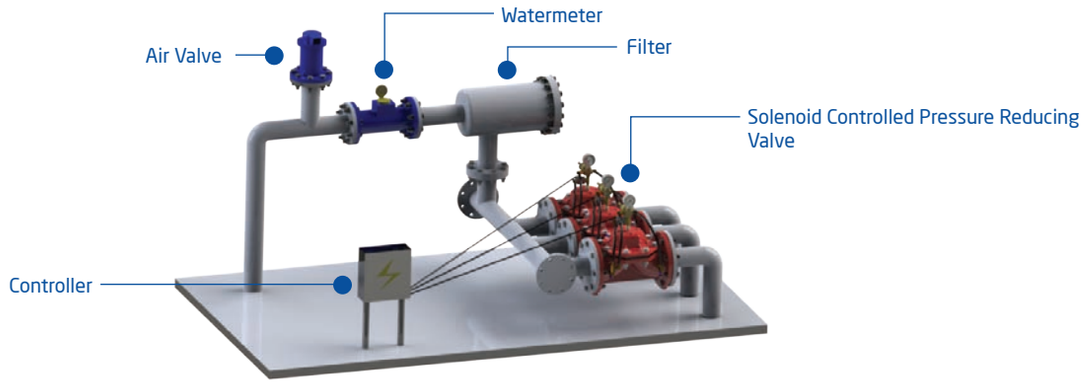
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

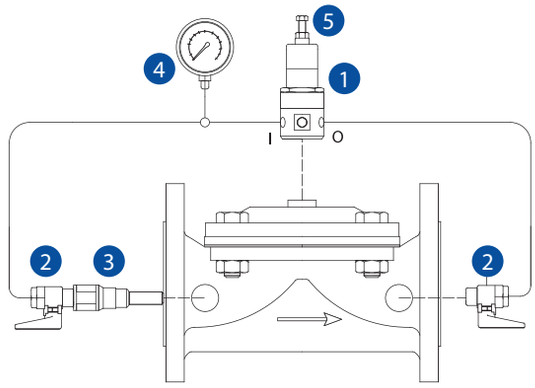
Please submit following information to our sales department while ordering.

Maximum flow rate	: m^3/h	Maximum upstream pressure	: bar
Maximum network/line pressure	: bar	Minimum upstream pressure	: bar
Main line size	: mm	Desired downstream pressure	: bar
Valve connection type	: ---	Electric voltage value to be used	: volt

TYPICAL APPLICATION



Armaş Solenoid Controlled Pressure Reducing Valves can be used at advanced automation systems with its pressure reducing function.



DESCRIPTION

Armaş "PS" model pressure sustaining hydraulic control valve maintains valve upstream pressure value constant. Valve is opened when line pressure reaches adjusted valve pressure level. It ensures that pump motor within pumping systems will start without load. It also prevents positive pressure waves caused by pump during start-up. Valve controls upstream pressure value continuously and keeps it in a constant value without being affected from changes in flow rates. When no flow exists, it is closed by itself as fully tightness.

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

CONTROL SYSTEM COMPONENTS

1. Pressure Sustaining Pilot Valve
2. Ball Valves
3. In-line Finger Filter
4. Pressure Gauge
5. Adjustment Bolt

QUICK SIZING

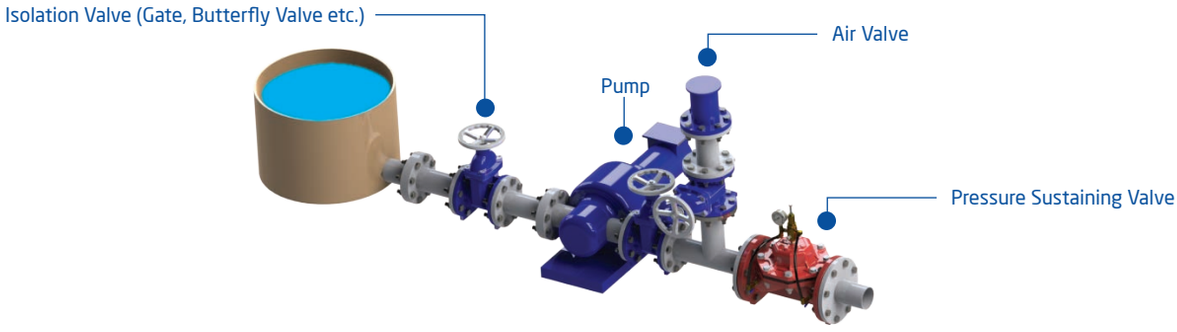
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

Please submit following information to our sales department while ordering.

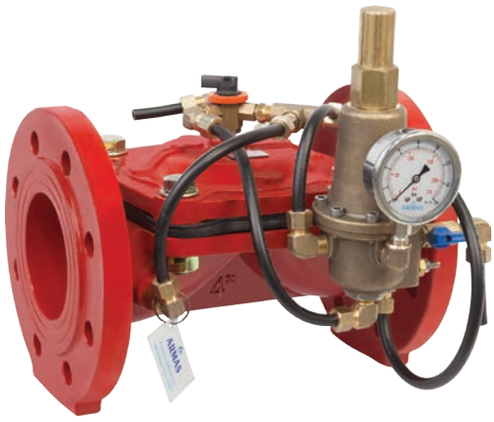
Maximum flow rate	: m^3/h	Valve connection type	: --
Maximum network/line pressure	: bar	Desired upstream pressure	: bar
Main line size	: mm		

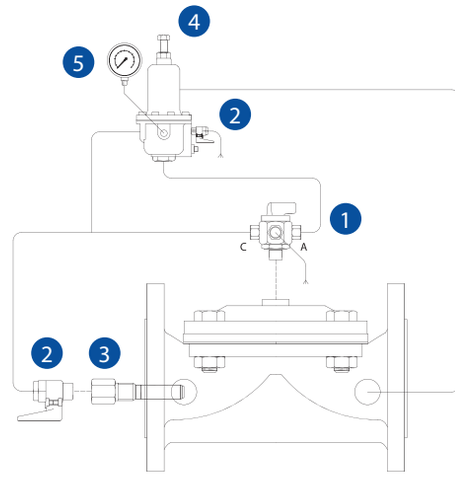
TYPICAL APPLICATION



Armaş Pressure Sustaining Valves control upstream pressure to provide a good condition operating for pump systems.

DIF DIFFERENTIAL PRESSURE SUSTAINING VALVE





DESCRIPTION

Armaş "DIF" model Differential Pressure Sustaining Valve is the hydraulic control valve which maintains a preset pressure differential between its upstream and downstream sides. Required upstream pressure can be adjusted by the pilot easily. The valve can control heating and cooling systems, booster pump discharge, bypass lines, filters and other similar systems.

CONTROL SYSTEM COMPONENTS

1. 3- Way Selector Valve
2. Ball Valves
3. In-line Finger Filter
4. Differential Pressure Sustaining Pilot
5. Pressure Gauge

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

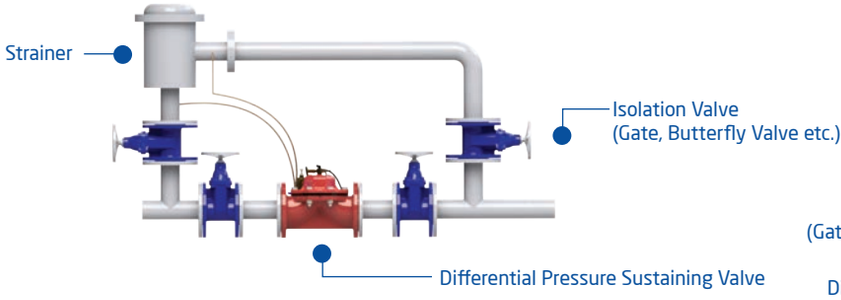
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

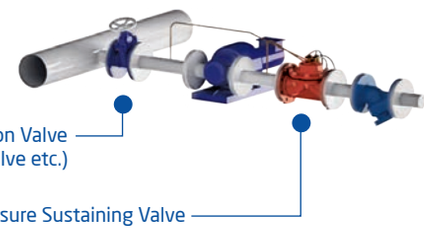
ORDER INFORMATION

Please submit following information to our sales department while ordering.

Maximum flow rate	: m^3/h	Maximum upstream pressure	: bar
Maximum network/line pressure	: bar	Minimum upstream pressure	: bar
Main line size	: mm	Desired pressure difference value	: bar
Valve connection type	: ---		

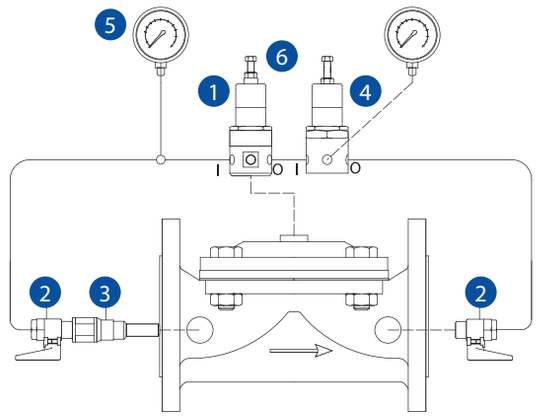
TYPICAL APPLICATION





Armaş Differential Pressure Sustaining Valves sustain pressure difference of two different points which is located in the system.

PRESSURE REDUCING and SUSTAINING VALVE PRPS



DESCRIPTION

Armaş "PRPS" model pressure reducing/sustaining hydraulic control valve reduces valve downstream pressure to desired value by sustaining upstream pressure. Two pilot valves exist on valve. Pilot valve on upstream side is the pressure sustaining pilot valve and sustains upstream pressure. Other pilot valve is pressure reducing pilot valve and keeps downstream pressure constant by reducing it to desired value. It controls upstream and downstream pressure continuously and keeps them within constant values.

CONTROL SYSTEM COMPONENTS

1. Pressure Sustaining Pilot Valve
2. Ball Valves
3. In-line Finger Filter
4. Pressure Reducing Pilot Valve
5. Pressure Gauges
6. Adjustment Bolts

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

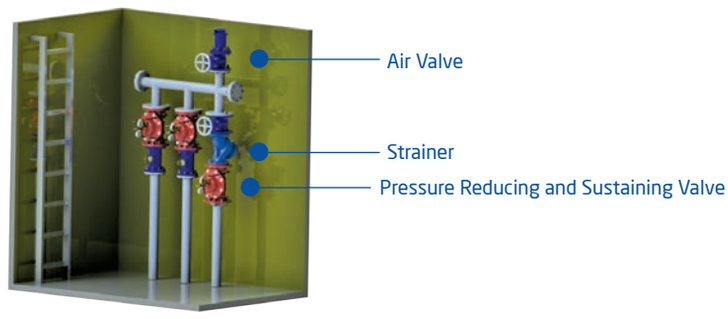
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

Please submit following information to our sales department while ordering.

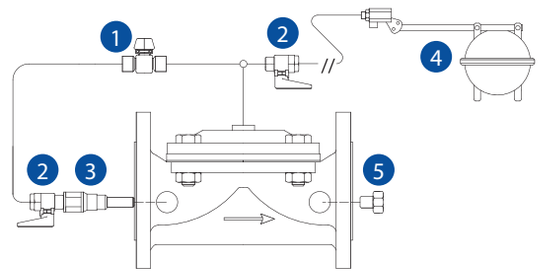
Maximum flow rate	: m^3/h	Maximum upstream pressure	: bar
Maximum network/line pressure	: bar	Minimum upstream pressure	: bar
Main line size	: mm	Desired downstream pressure	: bar
Valve connection type	: ---	Desired upstream pressure	: bar

TYPICAL APPLICATION



Armaş Pressure Reducing and Sustaining Valves can be used for avoiding any interaction of high altitude and low altitude usage areas which is feeded by same line and for avoiding unnecessary line discharge.

FL FLOAT LEVEL CONTROL VALVE



DESCRIPTION

Armaş "FL" model float level control valve is the hydraulic control valve designed to control water level in reservoirs and tanks continuously. Main valve is controlled by 2-way modulating type float pilot valve manually. Main valve mounted on reservoir and tank upstream is closed as fully sealed without causing surge when water level reaches to maximum level. Valve opening/closing speed may be adjusted in set value. It may be used in the system by mounting horizontal or vertical positions.

CONTROL SYSTEM COMPONENTS

1. Needle Valve
2. Ball Valves
3. In-line Finger Filter
4. Float
5. Plug

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

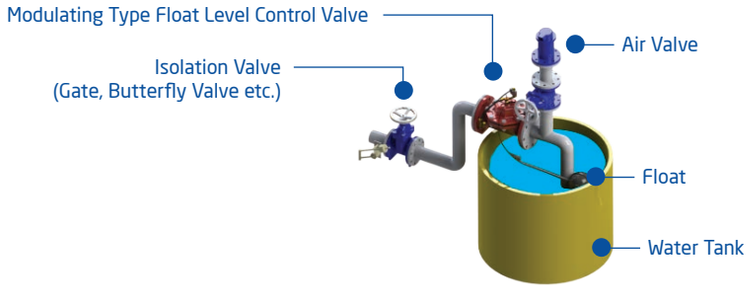
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

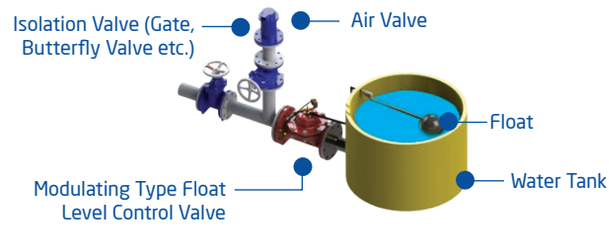
ORDER INFORMATION

Please submit following information to our sales department while ordering.

Maximum flow rate	: m³/h	Main line size	: mm
Maximum network/line pressure	: bar	Valve connection type	: ---

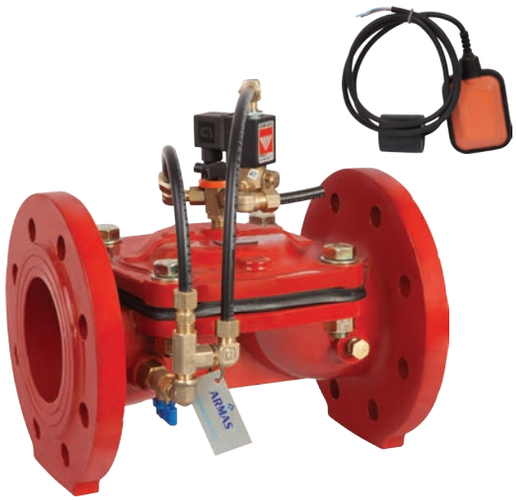
TYPICAL APPLICATION

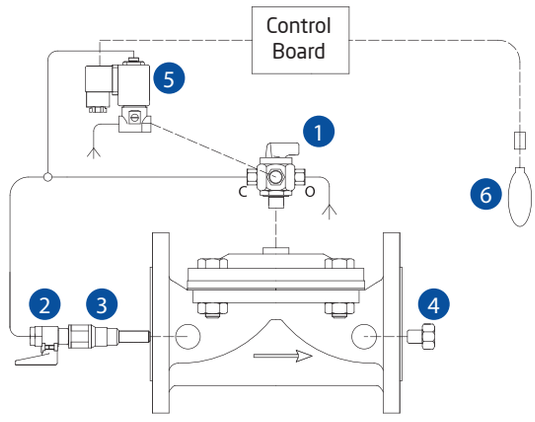




Armaş Float Level Control Valves prevent water tank overflow.

ELECTRIC FLOAT LEVEL CONTROL VALVE FLEL





DESCRIPTION

Armaş "FLEL" model electrical float level control valve is the hydraulic control valve designed to control water level continuously by means of electrical float placed in reservoirs and tanks. Electrical float sends signal to solenoid coil on main valve when water level decreases below set level. Main valve is opened and ensures that tank or reservoir will be filled permanently. When water reaches maximum level, electrical float sends signal to solenoid coil again and main valve is closed as full sealed.

CONTROL SYSTEM COMPONENTS

1. 3- Way Selector Valve
2. Ball Valve
3. In-line Finger Filter
4. Plug
5. Solenoid Pilot Valve
6. Electric Float Switch

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

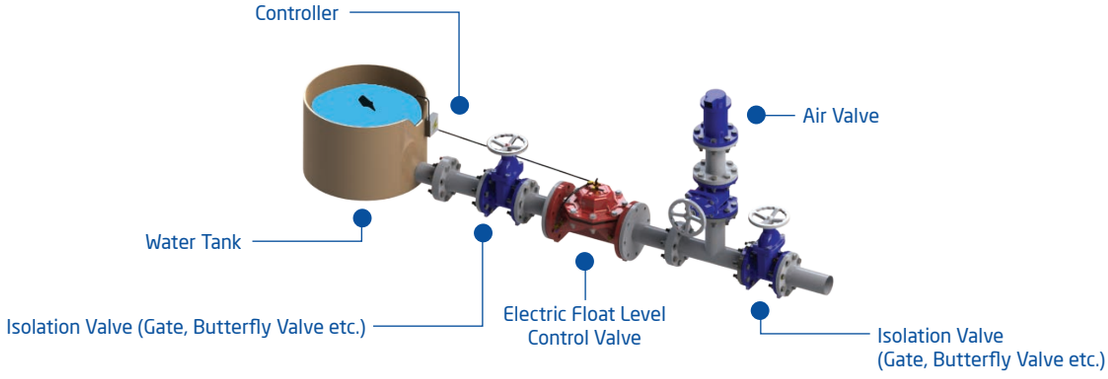
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

Please submit following information to our sales department while ordering.

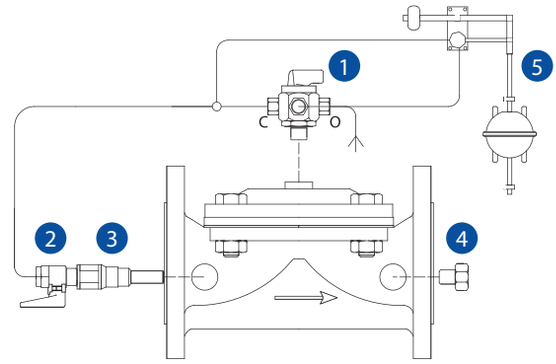
Maximum flow rate	: m^3/h	Valve connection type	: ---
Maximum network/line pressure	: bar	Electric voltage value to be used	: volt
Main line size	: mm		

TYPICAL APPLICATION



Armaş Electric Float Level Control Valves prevent water tank overflow thanks to electric float.

DIFL DIFFERENTIAL FLOAT LEVEL CONTROL VALVE



DESCRIPTION

Armaş "DIFL" model float control valve is the hydraulic control valve designed to control water level in reservoirs and tanks in desired ranges. Main valve is closed as wholly sealed without surge when water reach desired level thanks to 4/3 way differential control pilot. Max. and min. water level in reservoir may be adjusted to desired value in a wide range. Thanks to this feature, pump does not put into/out of service frequently during level control of reservoir fed by pump. Valve controls water level and keeps it in desired range without being affected from flow rate and pressure changes.

CONTROL SYSTEM COMPONENTS

1. 3- Way Selector Valve
2. Ball Valves
3. In-line Finger Filter
4. Plug
5. Differential Level Control Pilot Valve

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

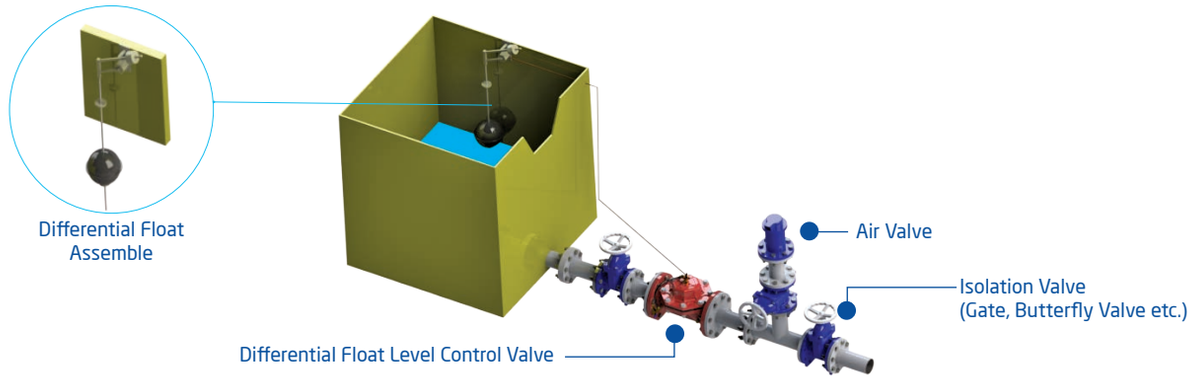
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

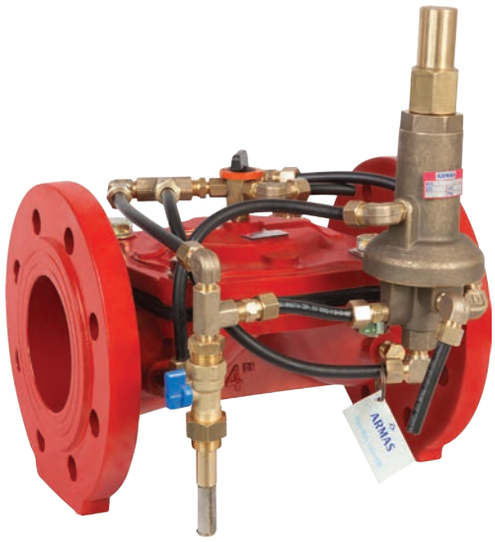
Please submit following information to our sales department while ordering.

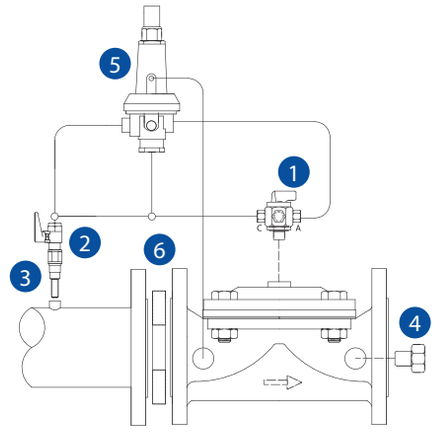
Maximum flow rate	: m^3/h	Valve connection type	: ---
Maximum network/line pressure	: bar	Desired level control range	: m
Main line size	: mm		

TYPICAL APPLICATION



Armaş Differential Float Level Control Valves control minimum and maximum water levels at water tanks thanks to its differential float.





DESCRIPTION

Armaş "FR" modell flow rate control valve is designed to limit desired flow rate. The orifice on main valve upstream creates pressure difference and 3/way differential pressure set pilot mounted in control chamber of valve senses this pressure difference and ensures that main valve opens in desired flow rate. Valve thereby limits desired flow rate automatically and keeps it fixed. It eliminates over flow by preventing excessive flow during reverse washing in filtration systems.

CONTROL SYSTEM COMPONENTS

1. 3- Way Selector Valve
2. Ball Valve
3. In-line Finger Filter
4. Plug
5. Flow Rate Control Pilot Valve
6. Orifice Plate

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

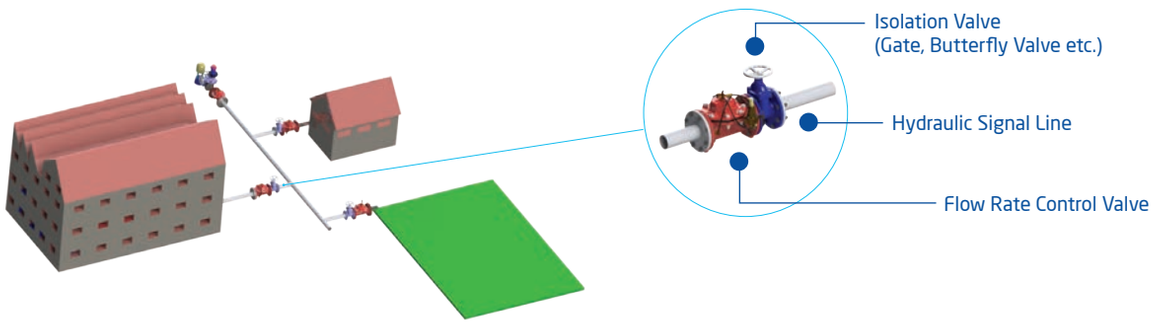
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

Please submit following information to our sales department while ordering.

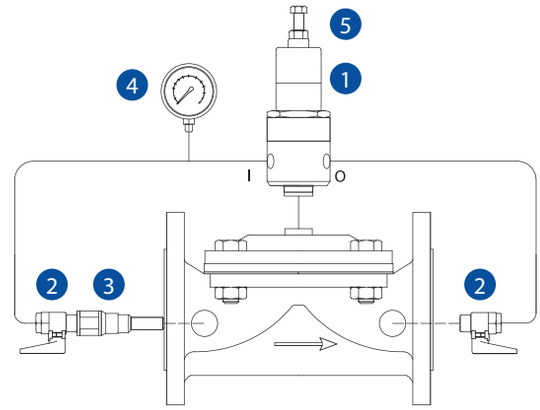
Maximum flow rate	: m^3/h	Valve connection type	: ---
Maximum network/line pressure	: bar	Maximum upstream pressure	: bar
Main line size	: mm	Desired flow rate	: m^3/h

TYPICAL APPLICATION



Armaş Flow Rate Control Valves limit the flow rate to requested value.

QR QUICK PRESSURE RELIEF VALVE



DESCRIPTION

Armaş "QR" model quick relief control valve is the safety control valve designed to protect system by releasing pressure surges to atmosphere quickly caused from sudden changes in water speed because pumps put into/out of service frequently in water network elevation lines. When network pressure goes beyond set point, valve opens by itself quickly and protects system by releasing over pressure. When line pressure decreases to normal level, it is closed slowly and automatically as wholly sealed without causing surge.

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

ORDER INFORMATION

Please submit following information to our sales department while ordering.

Maximum flow rate	: m^3/h
Maximum network/line pressure	: bar
Main line size	: mm
Valve connection type	: ---
Maximum upstream pressure	: bar
Desired upstream pressure	: bar

CONTROL SYSTEM COMPONENTS

1. Quick Pressure Relief Pilot Valve
2. Ball Valves
3. In-line Finger Filter
4. Pressure Gauge
5. Adjustment Bolt

QUICK SIZING

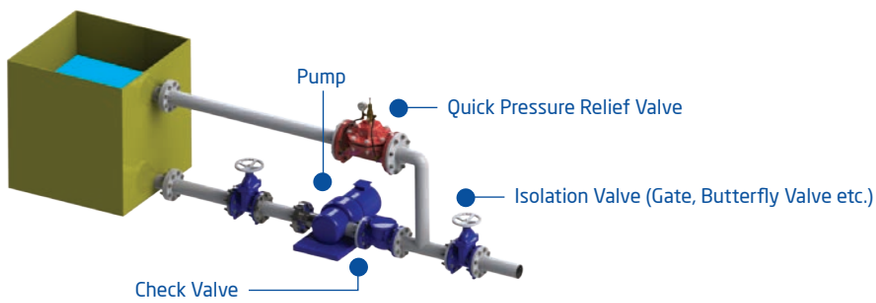
• Quick Pressure control valve is mounted on network in TE configuration.
• Since valve's function is to release pressure, valve diameter may be selected as equal to or in closest smaller size than main pipe diameter. Valve diameter should be selected as smaller than main pipe diameter. Following empirical formula may be used in determining diameter of quick pressure relief control valve. Where;

$$D=\sqrt{\frac{250xQ}{\sqrt{Hm}}}$$

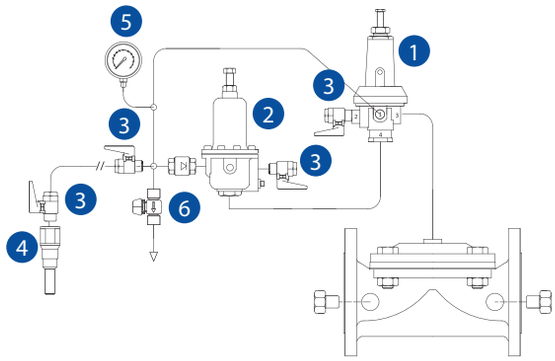
D = Diameter of quick pressure relief control valve (mm)
Q = System Flow Rate (m^3/h)
Hm = System Operating Pressure (meter → 1 bar ≈ 10 meter)

• Valve closing time is proportional with pipe length. As system pipe length increases, valve closing time should be increased.

TYPICAL APPLICATION



Armaş Quick Pressure Relief Valves protect pipe-line and system equipments during pressure fluctuations.



DESCRIPTION

Armaş "SA" model surge anticipating control valve is the safety control valve designed to protect system in relatively longer water supply network elevating line by damping energy waves formed by energy interruptions in pumping systems and by releasing water-hammers which are caused from sudden changes in water flow rate to atmosphere automatically and quickly. Valve is opened quickly by sensing diminished pressure wave previously by means of pressure signal tube it owned. When line pressure reached normal level, it is closed slowly and automatically as wholly sealed.

CONTROL SYSTEM COMPONENTS

1. Low Pressure Pilot Valve
2. High Pressure Pilot Valve
3. Ball Valves
4. In-line Finger Filter
5. Pressure Gauge
6. Needle Valve

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

ORDER INFORMATION

Please submit following information to our sales department while ordering.

Maximum flow rate	: m^3/h
Maximum network/line pressure	: bar
Main line size	: mm
Valve connection type	: ---
Maximum pump pressure	: bar
Length of main pipe line	: m

QUICK SIZING

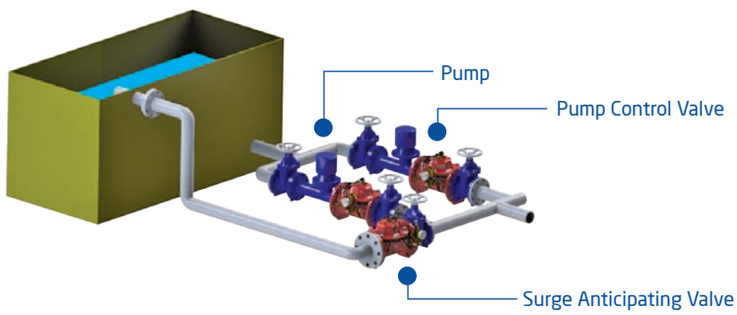
• Surge Anticipating valve is mounted on network in TE configuration.
• Since valve's function is to release pressure, valve diameter may be selected as equal to or in closest smaller size than main pipe diameter. Valve diameter should be selected as smaller than main pipe diameter. Following empirical formula may be used in determining diameter of quick pressure relief control valve. Where;

$$D=\sqrt{\frac{250xQ}{\sqrt{Hm}}}$$

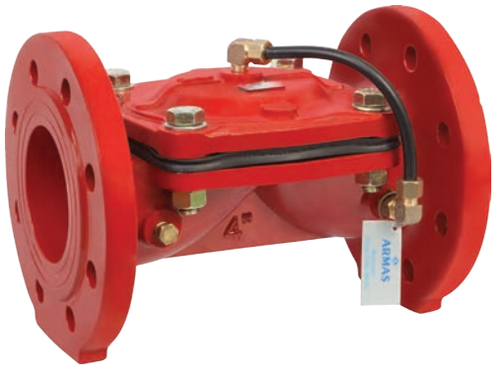
D = Diameter of surge anticipating valve (mm)
Q = System Flow Rate (m^3/h)
Hm = System Operating Pressure (meter → 1 bar ≈ 10 meter)

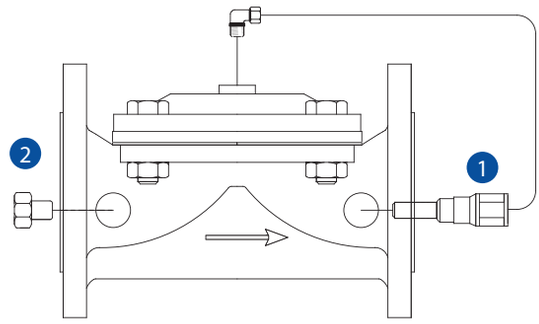
• Valve closing time is proportional with pipe length. As system pipe length increases, valve closing time should be increased.

TYPICAL APPLICATION



Armaş Surge Anticipating Valves protect pipe-line against to impacts due to water hammer and unexpected pump shut-off.





DESCRIPTION

Armaş "HCV" model valve is hydraulically controlled check valve which operates with line pressure and prevents back-flow in system. When downstream pressure value exceeds upstream pressure value, valve is closed as wholly sealed without causing surge. When upstream pressure value exceeds downstream pressure value, check valve is opened by itself slowly. So it damps pressure surges formed during start-up.

CONTROL SYSTEM COMPONENTS

1. In-line Finger Filter
2. Plug

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

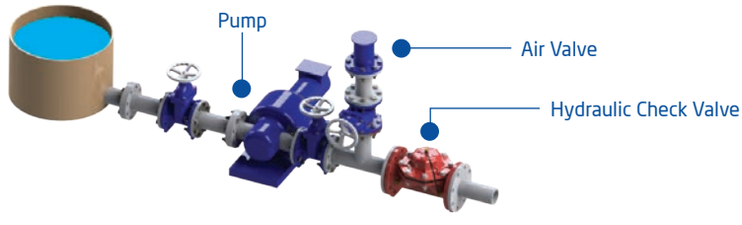
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

Please submit following information to our sales department while ordering.

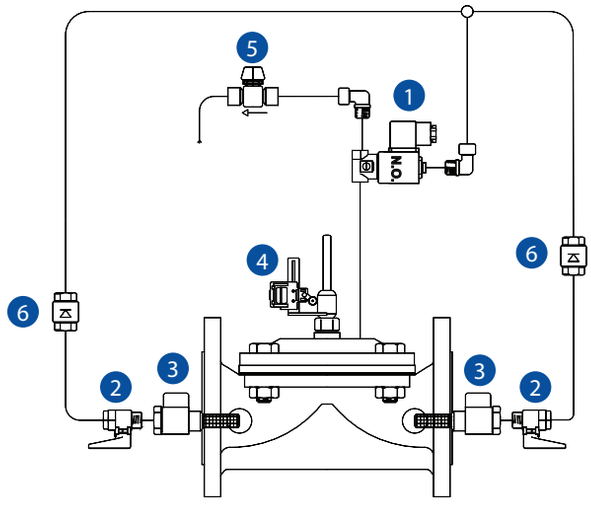
Maximum flow rate	: m^3/h	Valve connection type	: ---
Maximum network/line pressure	: bar	Maximum upstream pressure	: bar
Main line size	: mm		

TYPICAL APPLICATION



Armaş Hydraulic Check Valves prevent back-flow.

PUMP (BOOSTER) CONTROL VALVE PC



DESCRIPTION

Armaş "PC" model pump control valve is a control valve designed for putting booster type pumps into/out of service automatically which is used water network elevating lines. When start button is pressed, pump control valve is opened by itself slowly in comparison with booster pump until pump rotation will reach working rotation. When "stop" button is pressed, control valve is closed slowly without causing surge in the first plan. When pump control valve was closed as fully sealed, it is disengaged from system by means of "Limit Switch" on it. In situations like energy interruption, works as a check valve to prevent back-flow to pump and eliminates use of an extra check valve in the system.

CONTROL SYSTEM COMPONENTS

1. Solenoid Pilot Valve
2. Ball Valves
3. In-line Finger Filter
4. Limit Switch Assemble
5. Needle Valve
6. Check Valve

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

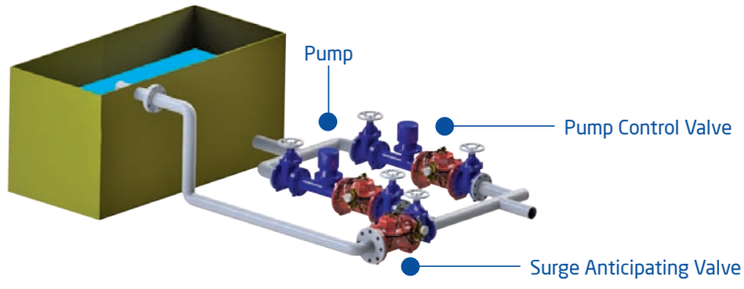
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

Please submit following information to our sales department while ordering.

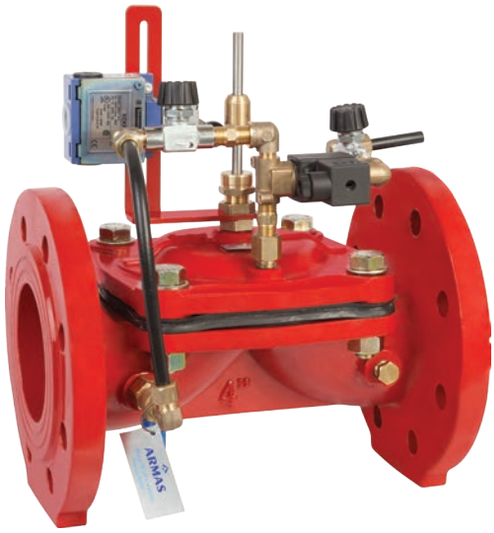
Maximum flow rate	: m^3/h	Main line size	: mm
Maximum network/line pressure	: bar	Valve connection type	: ---

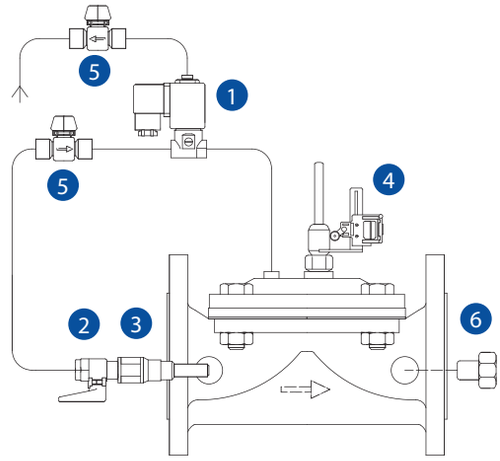
TYPICAL APPLICATION



Armaş Pump Control Valves protect and control booster type pumps.

DPC DEEP WELL (SUBMERSIBLE) PUMP CONTROL VALVE





DESCRIPTION

Armaş "DPC" model deep-well pump control valve is a relief control valve designed for putting deep-well type pumps into/out of service automatically. Valve is connected on main line with a "TE" piece. Valve is in open position before pump operates. When pump starts up, valve is closed by itself slowly without causing surge and increases system pressure gradually. Before pump stops, valve opens by itself slowly and automatically and decreases system pressure gradually.

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

ORDER INFORMATION

Please submit following information to our sales department while ordering.

Maximum flow rate	: m^3/h
Valve connection type	: ---
Maximum network/line pressure	: bar
Maksimum pump pressure	: bar
Depth of the well	: m

CONTROL SYSTEM COMPONENTS

1. Solenoid Pilot Valve
2. Ball Valve
3. In-line Finger Filter
4. Limit Switch Assemble
5. Needle Valve
6. Plug

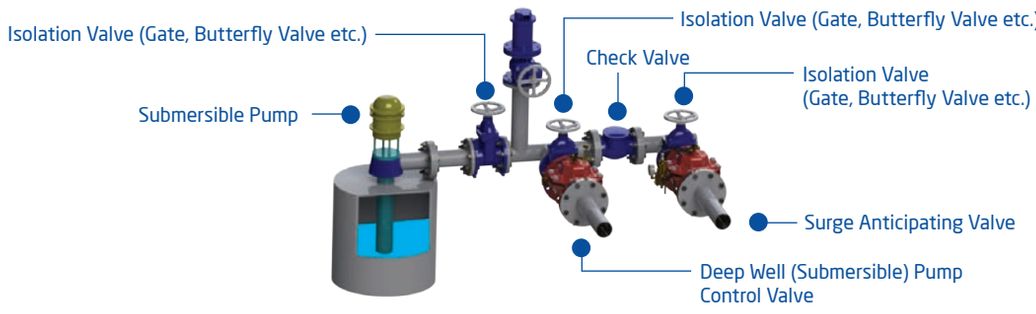
QUICK SIZING

•Deep-well Pump control valve is mounted on network in TE configuration since it is a electric activated release valve.
•Since valve's function is to release, valve diameter may be selected as equal to or in closest smaller size than main pipe diameter. Valve diameter should be selected as smaller than main pipe diameter. Following empirical formula may be used in determining diameter of deep-well pump control valve. Where;

$$D=\sqrt{\frac{250xQ}{\sqrt{Hm}}}$$

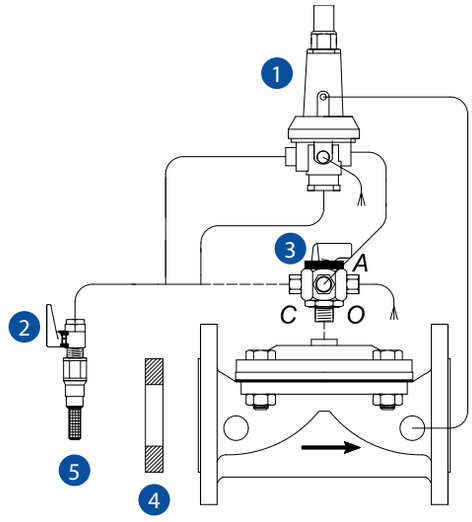
D = Diameter of deep-well pump control valve (mm)
Q = System Flow Rate (m^3/h)
Hm = System Operating Pressure (meter → 1 bar ≈ 10 meter)

TYPICAL APPLICATION



Armaş Deep Well Pump Control Valves preventing surges caused by pump start-up or shut-off.

EXCESSIVE FLOW SHUT-OFF CONTROL VALVE FE



DESCRIPTION

Armaş "FE" model excessice flow shut-off control valve is activated by the line pressure. The valve is a hydraulic control valve closes drip tight when flow rate exceeds the set value. The valve is fully open when flow rate is below the set rate. A differantial 3 way pilot valve and orifis are on valve which immediately closes drip tihgt itself when flow rate exceeds the set value. This feature allows prevent waste water such as burst pipe damage. The valve is open manual after auto closing. It is set auto after the fully opening will be provided.

CONTROL SYSTEM COMPONENTS

1. Flow Rate Control Pilot
2. Ball Valve
3. 3- Way Selector Valve
4. Orifice
5. In-line Finger Filter

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

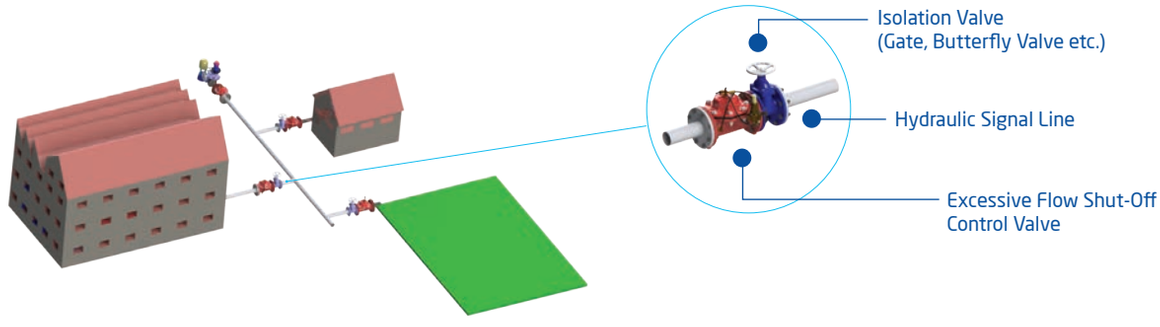
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

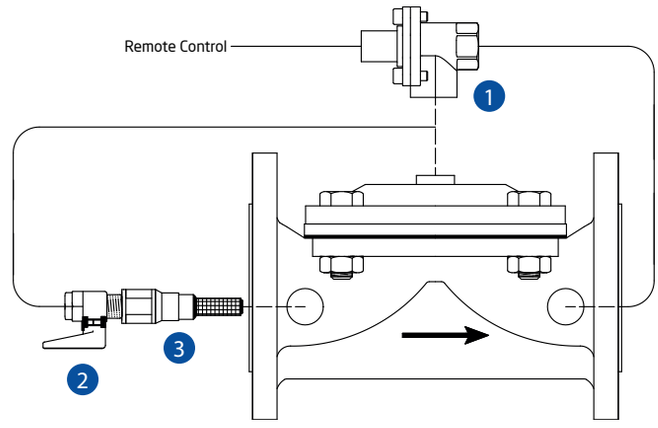
Please submit following information to our sales department while ordering.

Maximum flow rate	: m³/h	Valve connection type	: ---
Maximum network/line pressure	: bar	Maximum upstream pressure	: bar
Main line size	: mm	Maximum Flow Rate for limiting	: m³/h

TYPICAL APPLICATION



Armaş Excessive Flow Shut-off Valves prevent flood damages caused by pipe burst.



DESCRIPTION

Armaş "RC" model remote control valves are activated by hydraulic or pneumatic pressure command with the relay valve on main valve. The standard valve is normally closed The valve opens when the pressure signal received. Remote control valves are used in many automation systems.

CONTROL SYSTEM COMPONENTS

1. Accelerator Relay
2. Ball Valve
3. In-line Finger Filter

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

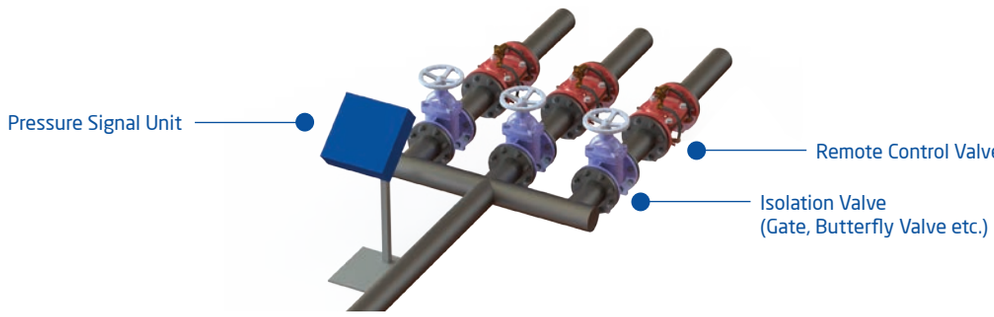
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

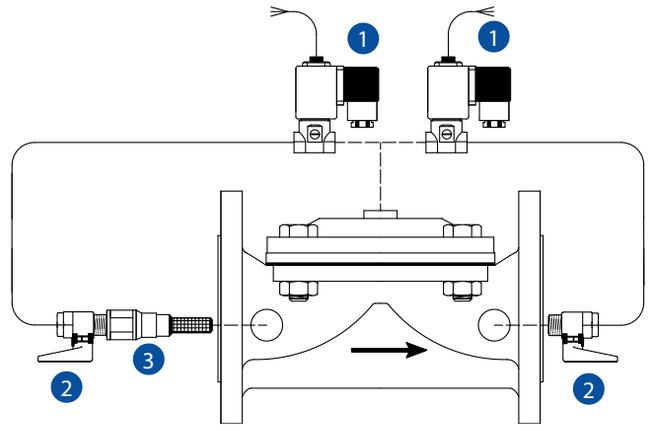
Please submit following information to our sales department while ordering.

Maximum flow rate	: m^3/h	Main line size	: mm
Maximum network/line pressure	: bar	Valve connection type	: ---

TYPICAL APPLICATION



Armaş Remote Control Valves are activated by a remote pressure signal.



DESCRIPTION

Armaş "EC" model PLC controlled valves are enabled local or remote control of various applications such as time related applications, different the batching operation of liquid, automatic control systems. The main valve is controlled by two solenoids that controlled by a PLC controller. The valve have simple and reliable design that works with low power

CONTROL SYSTEM COMPONENTS

1. Solenoid Pilot Valve
2. Ball Valves
3. In-line Finger Filter

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

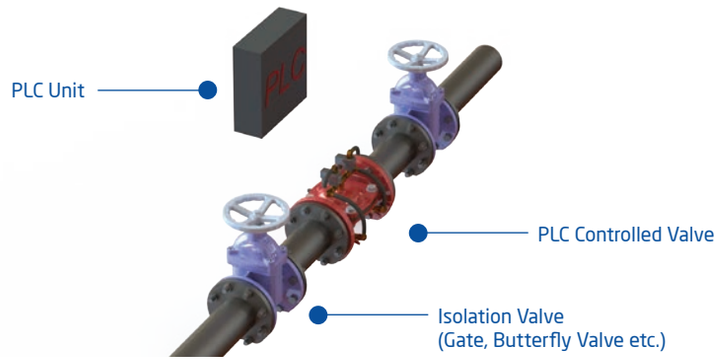
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

Please submit following information to our sales department while ordering.

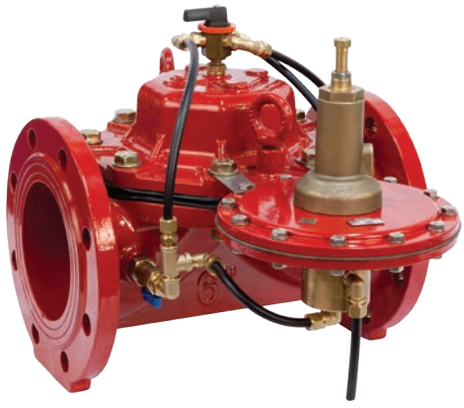
Maximum flow rate	: m^3/h	Valve connection type	:
Maximum network/line pressure	: bar	Electric voltage value to be used	: volt
Main line size	: mm		

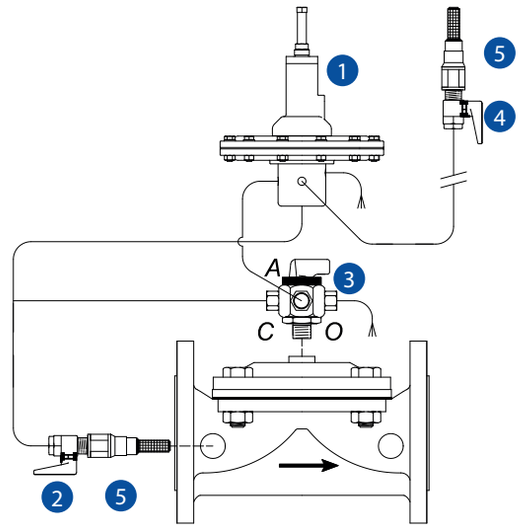
TYPICAL APPLICATION



Armaş PLC Controlled Valves control pressure or flow rate according to reciving signals from PLC Control unit.

ALT ALTITUDE CONTROL VALVE





DESCRIPTION

Armaş "ALT" model is an automatic, high sensitive pilot controlled, level control valve, activated by the static pressure of the tank tower. The high sensitive pilot valve opens or close the main valve in response to the static pressure of water level in tank. The pilot valve located outside the tank tower. There is no need any floats.

CONTROL SYSTEM COMPONENTS

1. Altitude Pilot
2. Ball Valve
3. 3- Way Selector Valve
4. Ball Valve
5. In-line Finger Filters

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

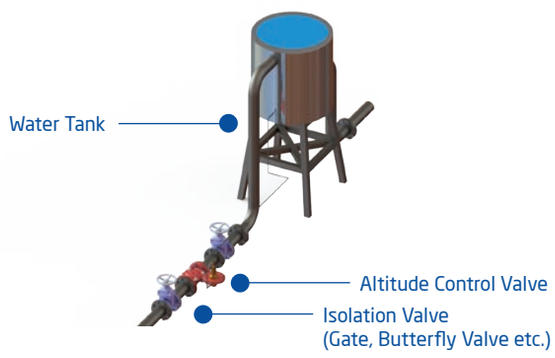
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

Please submit following information to our sales department while ordering.

Maximum flow rate	: m^3/h	Valve connection type	: ---
Maximum network/line pressure	: bar	Maximum Water Tank Height	: m
Main line size	: mm		

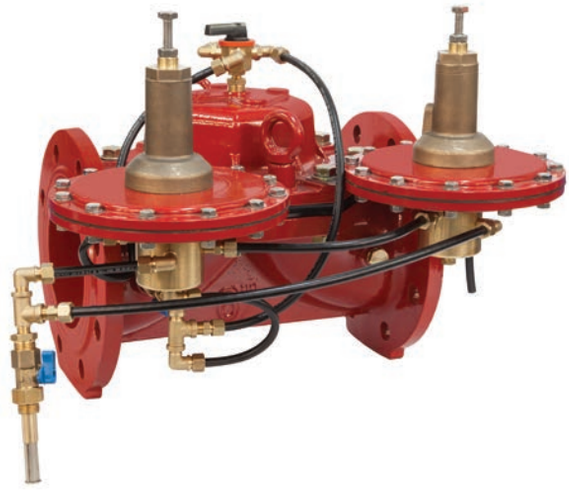
TYPICAL APPLICATION

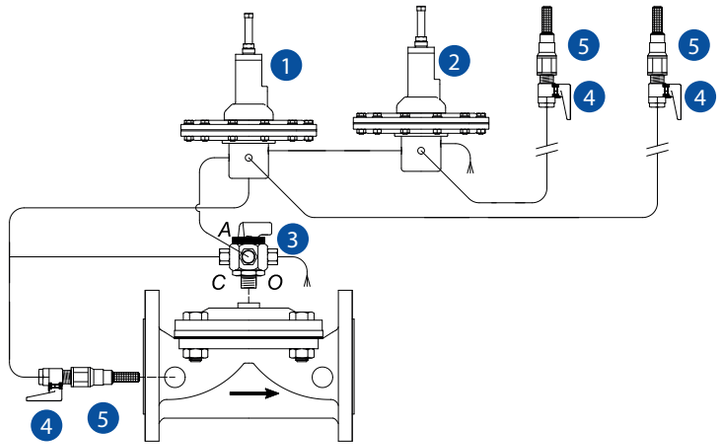


Armaş Altitude Control Valves control the water volume without float in an elevated tank.

BI-LEVEL ALTITUDE PILOT CONTROLLED LEVEL CONTROL VALVE

ALT-B





DESCRIPTION

Armaş "ALT-B" model is an automatic, high sensitive double pilot controlled, level control valve, activated by the static pressure of the tank tower. The high sensitive pilot valves opens or close the main valve in response to the static pressure of water level in tank. The pilot valves located outside the tank tower. There is no need any floats. One of the pilot valve control the main valve according to minimum water level. The other one control the main valve according to maximum water level.

CONTROL SYSTEM COMPONENTS

1. Altitude Pilot
2. Altitude Pilot
3. 3- Way Selector Valve
4. Ball Valves
5. In-line Finger Filters

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

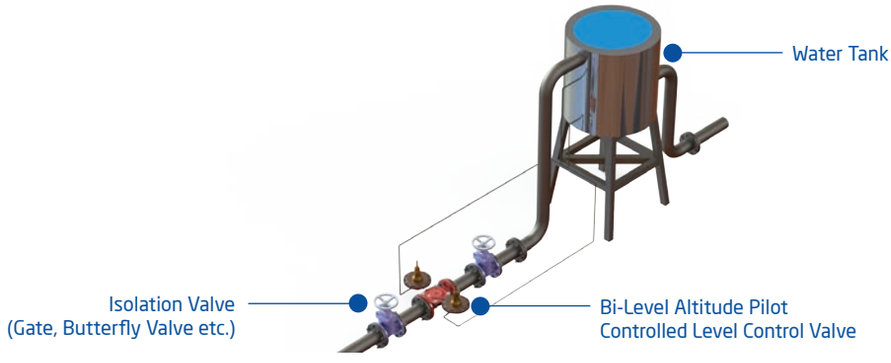
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

Please submit following information to our sales department while ordering.

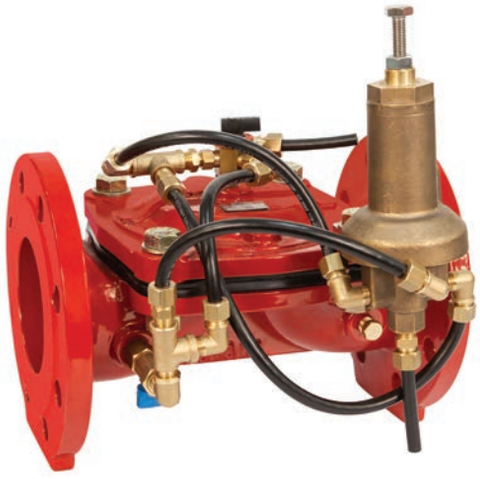
Maximum flow rate	: m^3/h	Valve connection type	: ---
Maximum network/line pressure	: bar	Maximum Water Tank Height	: m
Main line size	: mm	Minimum Water Tank Height	: m

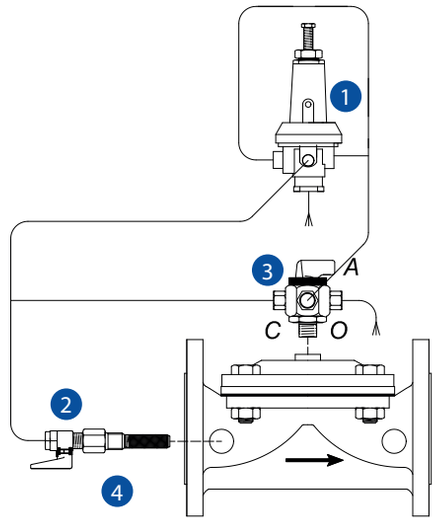
TYPICAL APPLICATION



Armaş Bi-Level Altitude Control Valves control the water volume without float in an elevated tank.

TSO TWO STAGE OPENING VALVE





DESCRIPTION

Armaş "TSO" model two stage opening valve is used all lines will be fast filled, it can be used to prevent damage caused by fast filling. Until the low pressure port of the pilot is completely filled, flow of valve is restricted and then allowed to fully opening. It can be used with other control valves for filling the system with high water speed.

CONTROL SYSTEM COMPONENTS

1. Multifunctional Pilot
2. Ball Valve
3. 3- Way Selector Valve
4. In-line Finger Filter

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

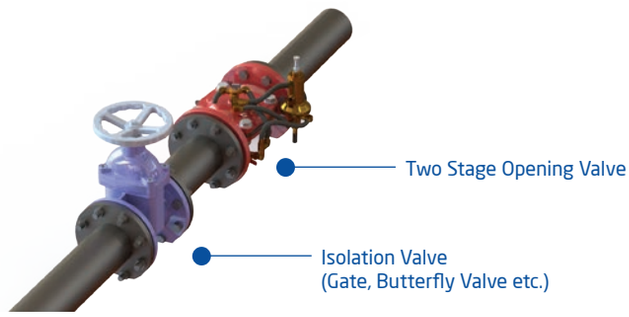
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

Please submit following information to our sales department while ordering.

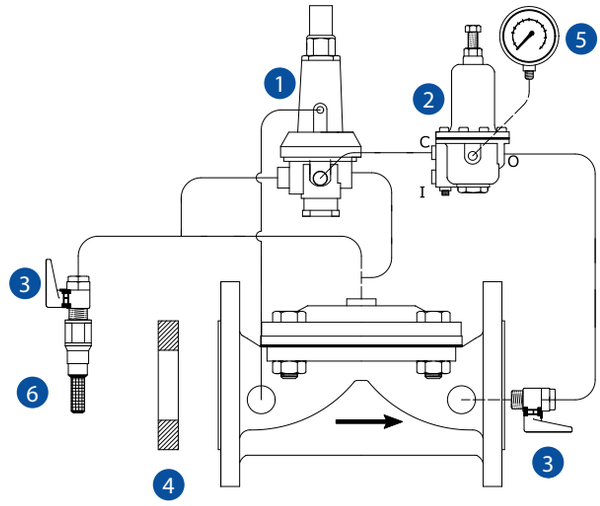
Maximum flow rate	: m^3/h	Main line size	: mm
Maximum network/line pressure	: bar	Valve connection type	: ---

TYPICAL APPLICATION



Armaş Two Stage Open Hydraulic Control Valves prevent water-hammer/surges caused by fast drained pipe filling.

FLOW RATE CONTROL and PRESSURE REDUCING VALVE FRPR



DESCRIPTION

Armaş "FRPR" model flow rate control and pressure reducing valves, independently provides two functions. Flow control being provided with 3 way differential pilot valve on the main valve which works line pressure without any energy, pressure reducing pilot valve control the downstream pressure of main valve. Flow rate control and pressure reducing valves decrease the valve number on lines used flow and pressure control to economize.

CONTROL SYSTEM COMPONENTS

1. Flow Rate Control Pilot
2. Pressure Reducing Pilot
3. Ball Valves
4. Orifice
5. Pressure Gauge
6. In-line Finger Filter

PURCHASE SPECIFICATIONS

The valve will be direct diaphragm closing automatic hydraulic control valve which works with line pressure. No wearable parts such as stem, bearing and seat exist in main valve body.
The valve position will be controlled by a hand operated selector valve.

QUICK SIZING

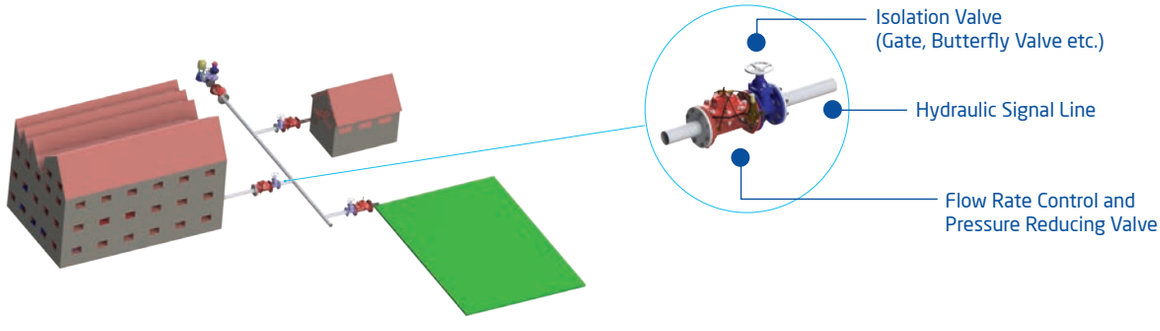
Valve size same as main line or one size smaller.
Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

ORDER INFORMATION

Please submit following information to our sales department while ordering.

Maximum flow rate	: m^3/h	Maximum upstream pressure	: bar
Maximum network/line pressure	: bar	Desired flow rate	: m^3/h
Main line size	: mm	Minimum upstream pressure	: bar
Valve connection type	: ---	Desired downstream pressure	: bar

TYPICAL APPLICATION



Armaş Pressure Reducing and Flow Rate Control Valve is a combined hydraulic control valves which controls pressure and flow rate parameters.

HYDRAULIC CONTROL VALVES

800 SERIES

Armaş 800 series automatic hydraulic control valves are designed in the "Y" body model type so as to show maximum resistance to cavitation under minimum head loss in high flow rates. Armaş 800 series automatic hydraulic control valves are double-chamber diaphragm actuated and disc closed type. Valve has a standard double control chamber.

Available Sizes: 2" (50 mm) - 16" (400 mm)

Available Connection Types: Flanged

500 SERIES

Armaş 500 series valves are direct diaphragm closing automatic hydraulic control valves which work with line pressure. They ensure easy and smooth flow with minimum pressure losses thanks to excellent design of valve body and diaphragm. Armaş 500 series hydraulic control valves are designed so that it can be used in potable water force network, agricultural irrigation, filtration, applications by even an unskilled personnel.

Available Sizes: 1½" (40 mm) - 3" (80 mm)

Available Connection Types: Threaded

BACK FLUSHING VALVES

Backflushing control valves are the 3-way control valves which are operated by line pressure or an external pneumatic pressure. Valve works in filtration and back flushing mode as coordinated with filter elements in the system.

Available Sizes: 2" (50 mm) - 4" (100 mm)

Available Connection Types: Threaded, Flanged, Grooved End

AIR COMBINATION VALVES

AAV SERIES

Armaş AAV Series Automatic Air Release Valves are the valves that operate with line pressure. Armaş AAV Series Automatic Air Release Valves are the air valves that provide the venting of the air during filling and preventing of vacuum by taking air into the installation during emptying, releasing of the air that accumulates in the installation during active operation with the help of pressure and that operates in automatic manner.

Available Sizes: 2" (50 mm) - 8" (200 mm)

Available Connection Types: Flanged

MECHANICAL VALVES

RESILIENT SEATED GATE VALVES

Valve is closed or opened by moving wedge upward or downward via threaded stem mounted in the body. Wedge is rubber coated and It is not used as a check valve and flow rate adjustments.

Available Sizes: 2" (50 mm) - 12" (300 mm)

Available Connection Types: Flanged

STRAINERS

Strainer is the installation equipment which separates dirt, sediments and various foreign substances which may exist in the fluid (cold water, hot water, superheated water and steam) physically thanksto its filter and prevent them to damage other equipment in installation. Strainers are used to protect equipments such as pumps, water counters and automatic check valves form foreign matters by being mounted on intake side of this equipment.

Available Sizes: 2" (50 mm) - 16" (400 mm)

Available Connection Types: Flanged

CHECK VALVES

Swing check valve permits that water passes toward flow direction and prevents water flow in counter direction. It is manufactured in such a way that it will be closed by its own weight or by a weight mechanism. It is used in especially pumping plants to prevent back flow in case pump becomes out of service. It may be used in hot and cold water plants and with each kind of acid free gases and liquids.

Available Sizes: 2" (50 mm) - 8" (200 mm)

Available Connection Types: Flanged

ALARM CHECK VALVES

Armaş FCV Alarm Check Valve is designed for wet applications where the water has no the danger of frost. The pressurized water which is inside of the pipe-line is discharged by sprinklers because of fire situation. When the discharged pressurized water system is supporting continuously, retard chamber is being full. Then, the pressure switch on the retard chamber is actuated. The pressure switch sends alarm information to fire warning system or the automation system. After the pressure switch is actuated, the water is delivered to the gong and releases a mechanical alarm.

Available Sizes: 2½" (65 mm) - 8" (200 mm)

Available Connection Types: Flanged

OS&Y GATE VALVES

OS&Y Valve is a type of gate valve which is able to follow the opening/closing position by moving the stem up&down movement, is able to follow electronically the movement by adding a monitoring key, and full open position does not disrupt the flow. OS&Y Valve generates low head loss according to butterfly valves. Valve is closed or opened by moving wedge upward or downward via threaded stem mounted in the body. Wedge is rubber coated and It is not used as a check valve and flow rate adjustments.

Available Sizes: 2" (50 mm) - 8" (200 mm)

Available Connection Types: Flanged

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