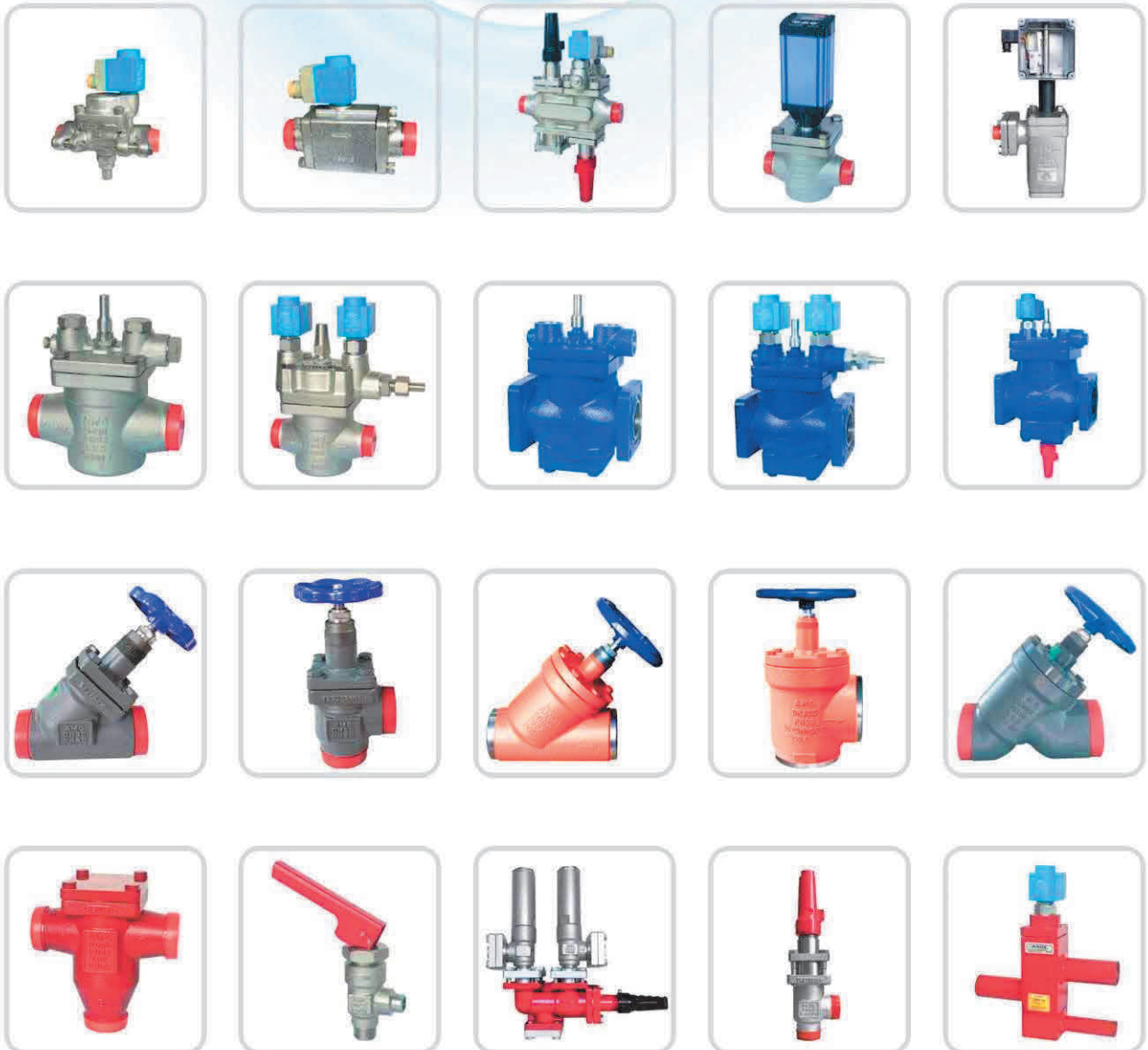


Collect essence of world valve

Create an international brand AMG



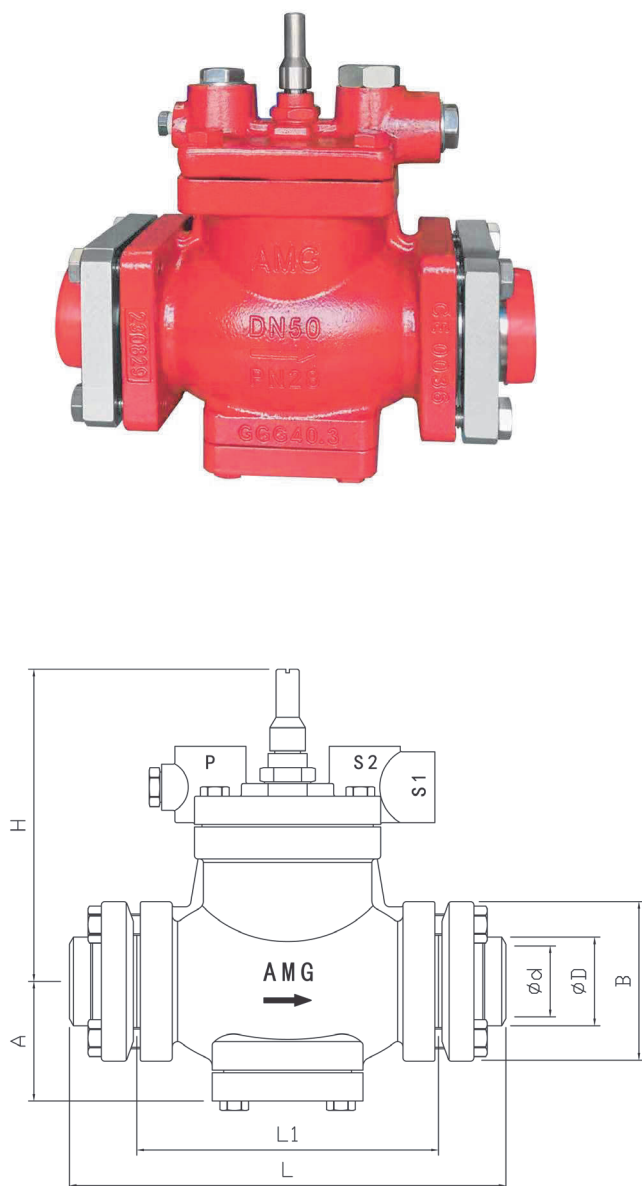
Main Valves AM

Technical parameters

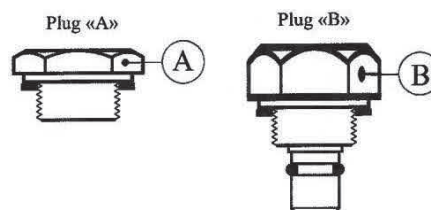
Nominal pressure: 2.8MPa Applicable temperature: $-45^{\circ}\text{C} \sim +120^{\circ}\text{C}$
Test pressure: 4.2MPa Applicable medium: Ammonia, Freon, CO_2 , etc.

Characteristics

- AM pressure control valves (further - valve) are pilot operated valves for regulating pressure, temperature and ON/OFF function in refrigeration systems. Valves are designed for low and high-pressure refrigerants.
- Valves can be used on the high and low pressure sides, in wet and dry suction lines and in liquid lines without phase change (i.e. where no expansion takes place in the valve).
- The function of valves is dependent on the pilot pressure applied from either a pilot valve or external pilot pressure source.
- Two of the three pilot pressure connections (S1 and S2) are connected in series whilst the third (P) is connected in parallel to S1 and S2. This allows different combinations of pilot valves to be used, thus providing numerous variations in control functions.
- The PM valve will be fully closed if the pilot valve in P is fully closed and at least one of the valves in S1 or S2 is fully closed at the same time. The relation between the pilot valves in ports S1, S2 and P is shown in the table.
- Valves is not fitted with three pilot valves, the unused port(s) must be sealed with a blanking plug.
- Plug type "A" - does not block the internal channels in the valve, i.e. the port will be open
- Plug type "B" - blocks the internal channels of the valve, i.e. the port will be completely closed.



Ports			AM3
S1	S2	P	
open	open	closed	open
open	open	open	open
open	closed	closed	closed
open	closed	open	open
closed	open	closed	closed
closed	open	open	open
closed	closed	closed	closed
closed	closed	open	open

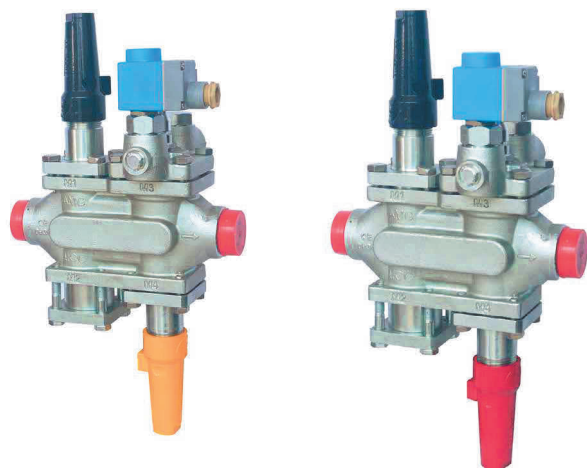


Name	Type	Size(mm)						kv	Cv
		ϕD	ϕd	A	H	L	L1		
AM Main Valves Type	AM 20	27	20	65	150	190	125	6	7
	AM 25	34	25	65	150	190	125	9	10.5
	AM 32	42	32	70	175	245	170	16	19
	AM 40	48	40	70	175	245	170	30	35
	AM 50	60	50	70	180	255	180	40	47
	AM 65	76	65	85	205	295	220	75	88
	AM 80	89	80	95	225	330	250	140	164
	AM 100	108	100	125	260	415	330	200	234
	AM 125	133	121	120	405	350	/	207	240
	AM 150	159	146	150	445	445	/	354	410

Combination valve AICF

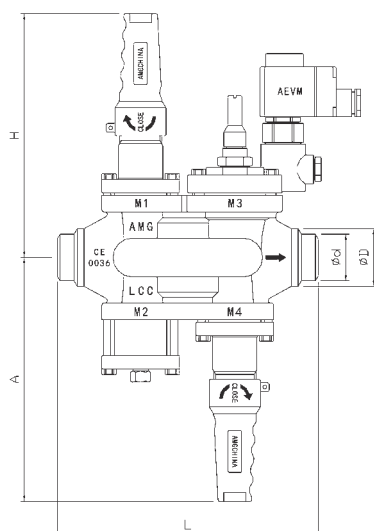
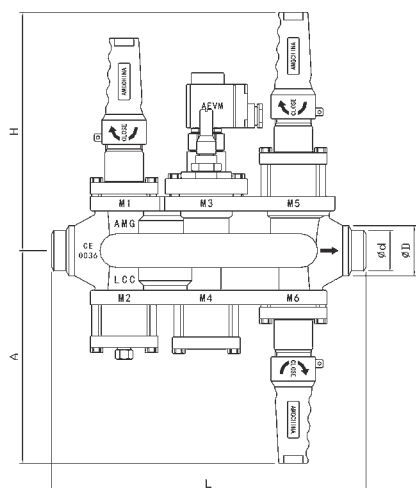
Technical parameters

Nominal pressure: 5.2MPa Applicable temperature: $-45^{\circ}\text{C} \sim +120^{\circ}\text{C}$
Test pressure: 7.8MPa Applicable medium: Ammonia, Freon, CO_2 , etc.



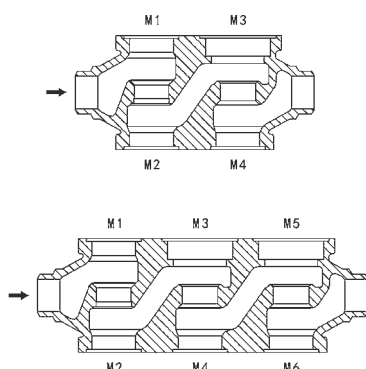
Characteristics

- The AICF combination valve integrates multiple functions into one, which can replace a series of traditional mechanical valves, solenoid valves, and electric valves.
- AICF combination valve is designed for low-pressure and high pressure refrigerants and can be used in discharge pipelines, hot gas pipelines, and liquid pipelines.
- The V-shaped flow port on the control module ensures optimal adjustment accuracy, especially under partial load conditions.
- AICF has four or six modules, and the modular concept provides multiple different interface types and sizes for each valve body. Valve maintenance is achieved through maintenance or replacement of functional modules.
- The side interface can be connected to pressure gauges, sensors, sight glasses, etc.



Name	Type	DN	Size(mm)				
			φ D	φ d	A	H	L
AICF Combination valve	AICF 20-4	DN20	34	25	170	95	180
		DN25	21	15	170/270	170	250
	AICF 20-6	DN20	27	20			
		DN25	34	25	220	220/265	235
	AICF 25-4	DN25	34	25			
		DN32	42	32			
		DN40	48	40	220/280	220/265	325
	AICF 25-6	DN25	34	25			
		DN32	42	32			
		DN40	48	40			

Combination valve AICF



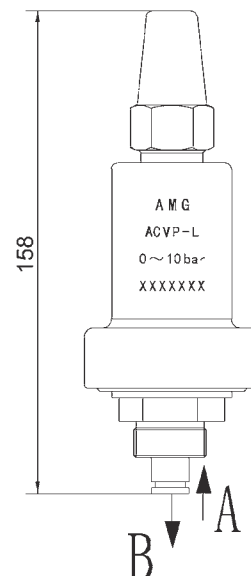
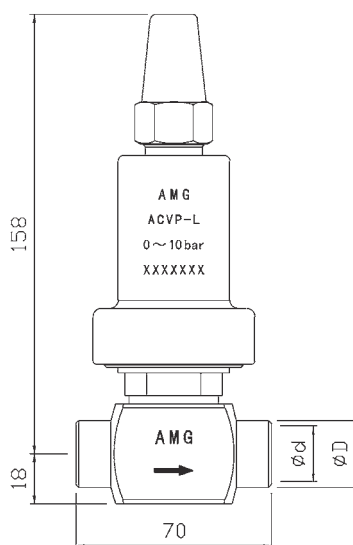
Code	Model
AICFS	Stop valve
AICFR	Regulating valve A or B
AICFF	Filter
AICFE	Solenoid valve
AICFO	Manually activate valve

Code	Model
AICFC	Check valve
AICFN	Stop check valve
AICM	A or B electric valve
AICFB	Blind plate top cover
AICFW	Welding

General configuration(excluding interface type and size)						
Application	M1	M2	M3	M4	M5	M6
Liquid supply pipeline						
Liquid supply pipeline (no hot air defrosting)	Stop valve	Filter	Solenoid valve	Manually open	Regulating valve	Stop valve
Liquid supply pipeline	Stop valve	Filter	Solenoid valve	Manually open	Regulating valve	Stop Check Valve
Liquid supply pipeline	Stop valve	Filter	Solenoid valve	Check valve	Regulating valve	Stop valve
Liquid supply pipeline (no hot air defrosting)	Stop valve	Filter	Solenoid valve	Regulating valve		
Liquid supply pipeline with external connection	Stop valve	Filter	Solenoid valve	Check valve	Welding valve	Regulating valve
Common applications of solenoid valves						
Solenoid valve-liquid and hot gas pipelines	Stop valve	Filter	Solenoid valve	Manually open	Stop valve	
Solenoid valve-liquid and hot gas pipelines	Stop valve	Filter	Solenoid valve	Manually open		
Liquid jet						
Liquid jet (expansion)	Stop valve	Filter	Solenoid valve	Manually open	Electric motor	Stop valve
Liquid jet (expansion) PWM	Stop valve	Filter	Electric valve	Stop valve		
Liquid jet (expansion)	Stop valve	Filter	Solenoid valve	Stop valve		
Hot gas defrosting						
Hot gas defrosting	Stop valve	Filter	Solenoid valve	Stop valve		
Solenoid valve-multiple evaporators						
Solenoid valve-multiple evaporators	Stop valve	Filter	Solenoid valve	Check valve		
Solenoid valve-multiple evaporators	Stop valve	Filter	Solenoid valve	Stop Check Valve		
PWM Liquid PWM						
PWM Control for Liquid Jet and Injection	Stop valve	Filter	Electric valve	Stop Check Valve		

Technical parameters

Nominal pressure: 5.2MPa	Applicable temperature: $-45^{\circ}\text{C} \sim +120^{\circ}\text{C}$
Test pressure: 7.8MPa	Applicable medium: Ammonia, Freon, CO_2 , etc.



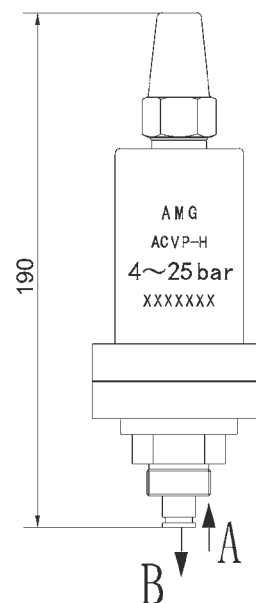
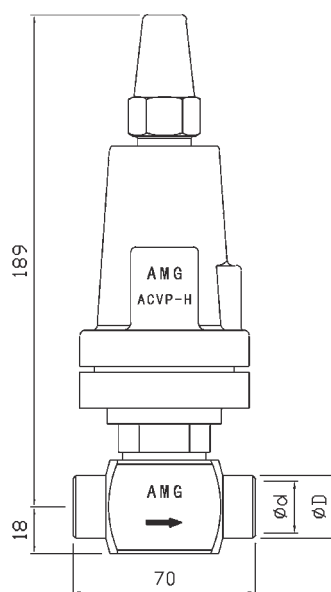
Characteristics

- Pilot valves are intended for mechanical control of a main valve and are ready for direct installation in the top cover of the main valve AM3, AICS3.
- This pilot valve is used for maintaining a constant pressure on the inlet side of the main valve.
- When a ACVP is mounted in a ACVH housing, it can be used as a separate constant-pressure valve or a pressure relief valve (e.g. to prevent hydraulic overpressure in an entrapped liquid)
- ACVP valves are available in 2 modifications with different setting ranges:
— ACVP-L: -0.65 bar to 10 bar

Pilot Valve Type	MWP(bar)	KV(m ³ /h)	Temperature Range(°C)	Pressure Range(bar)
ACVP-L	52	0.4	-45/+120	-0.65-10

Technical parameters

Nominal pressure: 5.2MPa Applicable temperature: $-45^{\circ}\text{C} \sim +120^{\circ}\text{C}$
Test pressure: 7.8MPa Applicable medium: Ammonia, Freon, CO_2 , etc.



Characteristics

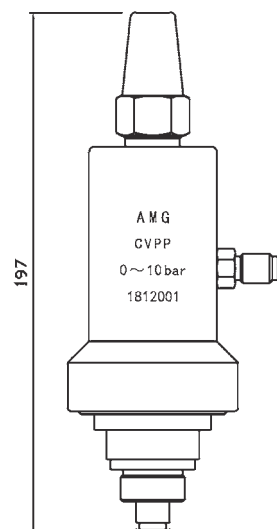
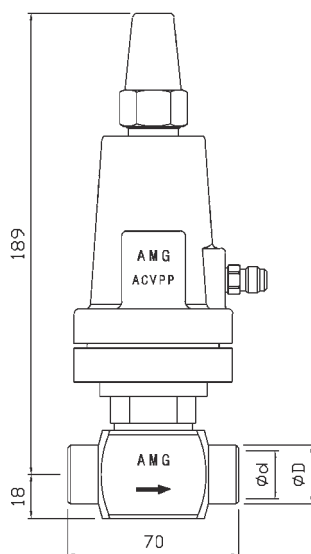
- Pilot valves are intended for mechanical control of a main valve and are ready for direct installation in the top cover of the main valve AM3, AICS3.
- This pilot valve is used for maintaining a constant pressure on the inlet side of the main valve.
- When a ACVP is mounted in a ACVH housing, it can be used as a separate constant-pressure valve or a pressure relief valve (e.g. to prevent hydraulic overpressure in an entrapped liquid)
- ACVP valves are available in 2 modifications with different setting ranges:
 - ACVP-H: 4 bar to 25 bar
 - ACVP-X: 10 bar to 52 bar

Pilot Valve Type	MWP(bar)	KV(m ³ /h)	Temperature Range(°C)	Pressure Range(bar)
ACVP-H	52	0.4	-45/+120	4-25
ACVP-X	52	0.4	-45/+120	10-52

Pressure Control Pilots ACVPP

Technical parameters

Nominal pressure: 5.2MPa	Applicable temperature: $-45^{\circ}\text{C} \sim +120^{\circ}\text{C}$
Test pressure: 7.8MPa	Applicable medium: Ammonia, Freon, CO_2 , etc.



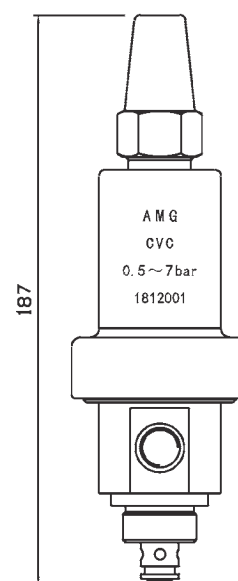
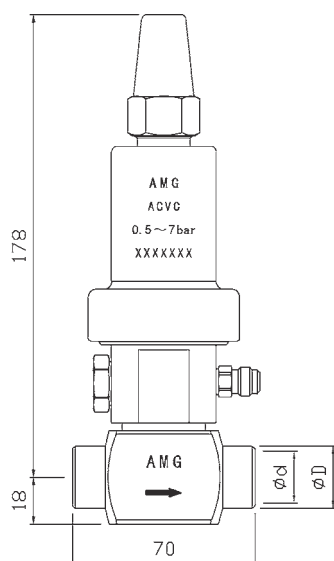
Characteristics

- Pilot valves are intended for mechanical control of a main valve and are ready for direct installation in the top cover of the main valve AM3, AICS3. When a ACVPP is mounted in a ACVH housing, it can be used as a separate constant-pressure valve or a pressure relief valve (e.g. to prevent hydraulic overpressure in an entrapped liquid).
- ACVPP pilot valve is used for maintaining a constant differential pressure between the ACVPP valve reference pressure connection and the main valve inlet pressure.

Pilot Valve Type	MWP(bar)	KV(m ³ /h)	Temperature Range(°C)	Pressure Range(bar)
ACVPP	52	0.4	-45/+120	0-10

Technical parameters

Nominal pressure: 5.2MPa Applicable temperature: $-45^{\circ}\text{C} \sim +120^{\circ}\text{C}$
Test pressure: 7.8MPa Applicable medium: ammonia, freon, CO_2 , etc.



Characteristics

- Pilot valves are intended for mechanical control of a main valve and are ready for direct installation in the top cover of the main valve AM3, AICS3. The ACVC-pilot is designed to maintain a constant pressure at an external reference point in the system.
- When a ACVC is mounted in a ACVH housing, it can be used as a separate constant-pressure valve or a pressure relief valve (e.g. to prevent hydraulic overpressure in an entrapped liquid).

Pilot Valve Type	MWP(bar)	KV(m ³ /h)	Temperature Range(°C)	Pressure Range(bar)
ACVC	52	0.4	-45/+120	4-25

AEVM-NC & AEVM-NO Solenoid Pilots

Technical parameters

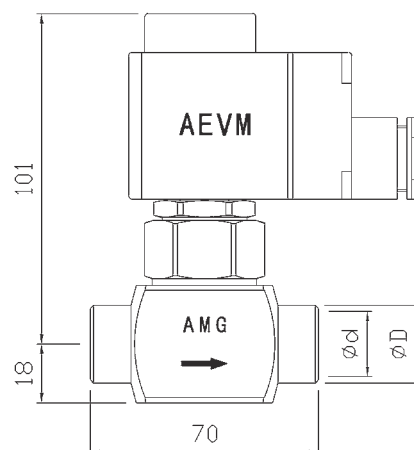
Nominal pressure: 5.2MPa Applicable temperature: $-45^{\circ}\text{C} \sim +120^{\circ}\text{C}$
Test pressure: 7.8MPa Applicable medium: Ammonia, Freon, CO_2 , etc.



Normally closed type



Normally open type



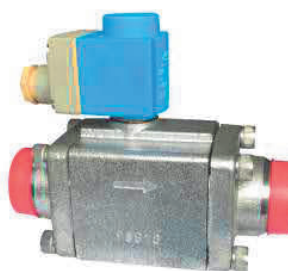
Characteristics

- Pilot valves are intended for mechanical control of a main valve and are ready for direct installation in the top cover of the main valve AM3, AICS3.
- AEVM is a solenoid pilot valve for use when on/off operation of the main valve is required. Together with ACVH, an AEVM can also be used as an independent solenoid valve.
- AEVM valves are available in 2 modifications:
AEVM-NC-normally closed
AEVM-NO-normally opened

Pilot Valve Type	Voltage (V)	Frequency (HZ)	Power (W)
Coil	220-230	50/60	10
Coil	220-230	50/60	12
Coil	220-230	50/60	15
Coil	220-230	50/60	18

Pilot Valve Type	MWP(bar)	KV(m ³ /h)	Maximum Operating ΔP (bar)
AEVM-NC	52	0.37	21
AEVM-NO	52	0.37	21

Solenoid valve AEVRA and AFA



Characteristics

- AEVRA is a direct or servo operated solenoid valve for liquid, suction and hot gas lines with ammonia or fluorinated refrigerants.
- AEVRAT is an assisted lift, servo operated solenoid valve for liquid, suction and hot gas lines with ammonia and fluorinated refrigerants. AEVRAT is specially designed to open - and stay open - at a pressure drop of 0 bar.
- AEVRAT 10-15 and AEVRA 20-25 have spindle for manual operation.

Technical parameters

Type	Opening pressure differential with standard coil (△P bar)				Max.working pressure,bar g	Kv ⁽²⁾ m³/h
	Min.	Max. (=MOPD)liquid ⁽¹⁾				
		10w AC	12w AC	20w DC		
AEVRAT10	0.00	14	21	16	40	1.5
AEVRAT15	0.00	14	21	16	40	2.7
AEVRA20	0.20	21	25	16	40	4.5
AEVRA25	0.20	21	25	14	40	10.0
AEVRA32	0.20	21	25	14	40	16.0
AEVRA40	0.20	21	25	14	40	25.0
AEVRA50	0.20				40	

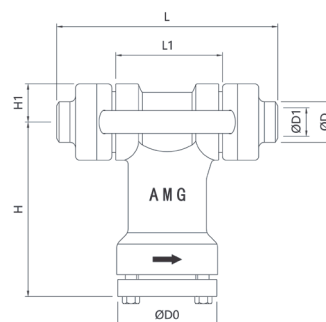


(1) MOPD for media in gas form is approx. 1 bar greater

(2) The kv value is the water flow in m³/h at a pressure drop across valve of 1 bar, $p = 1000 \text{ kg/m}^3$

The rated cooling capacity test conditions for the liquid line and suction line are: evaporating temperature $t_e = -10^\circ\text{C}$, liquid temperature at valve inlet $t_i = 25^\circ\text{C}$, valve pressure differential $\Delta P = 0.15 \text{ bar}$. The rated cooling capacity test conditions for the discharge line are: condensing temperature $t_c = 40^\circ\text{C}$, valve pressure differential $\Delta P = 0.8 \text{ bar}$, discharge gas temperature $t_g = 65^\circ\text{C}$, subcooling degree $\Delta t_{\text{sub}} = 4\text{K}$.

AFA15-25 filter

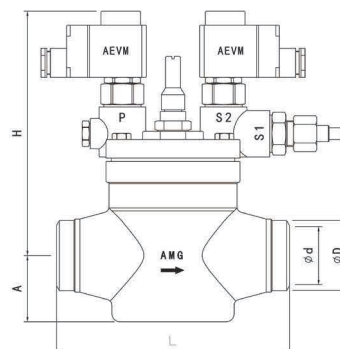
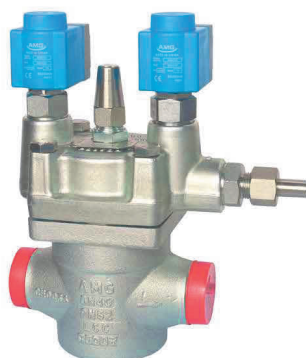


Name	Type	Size(mm)						
		ϕD	ϕd	L1	L	H	H1	$\phi D0$
Filter	AFA10	14	10	56	115	90	20	53
	AFA15	21	15	56	115	90	20	53
	AFA20	27	20	75	140	100	25	59
	AFA25	34	25	75	140	100	25	59

Two step opening defrosting solenoid valve AICLX

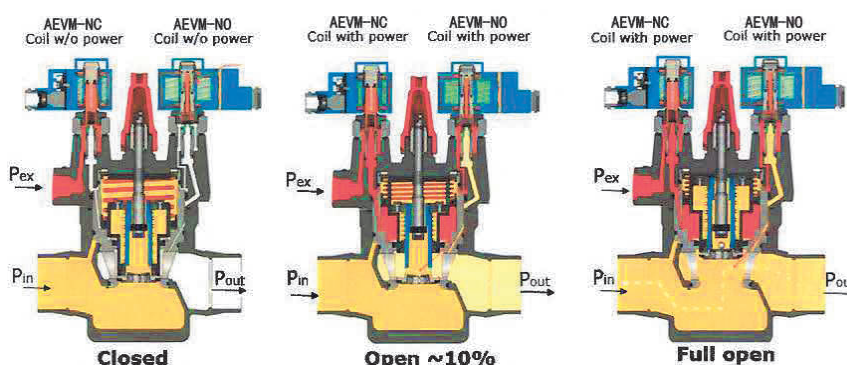
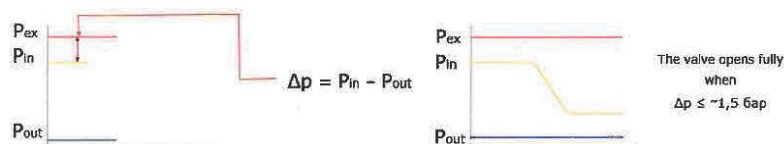
Technical parameters

Nominal pressure: 5.2MPa Applicable temperature: $-45^{\circ}\text{C} \sim +120^{\circ}\text{C}$
Test pressure: 7.8MPa Applicable medium: Ammonia, Freon, CO_2 , etc.



Characteristics

- AICLX are two steps servo-operated normally close valves with screwed-on pilot solenoid valves. Valves use an external pressure source for opening (which means that no differential pressure across the AICLX valve is required).
- AICLX are used in suction lines for the opening against high differential pressure, e.g. after hot gas defrost in large industrial refrigeration systems with ammonia or fluorinate refrigerants.
- AICLX opens in two steps:
 - Step one opens to approx. 10% of the capacity, when the pilot solenoid valves are activated.
 - Step two opens automatically after the pressure differential across the valve reaches approximately 1-1.5 bar.

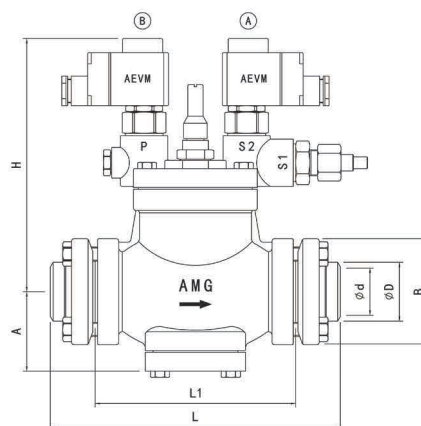
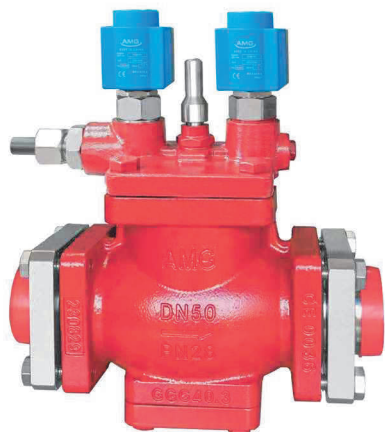


Name	Type	Size(mm)					kv	Cv
		φ D	φ d	A	H	L		
AICLX Two step opening defrosting solenoid valve	AICLX 32	42	32	49	150	245	16	19
	AICLX 40	48	40	49	150	245	30	35
	AICLX 50	60	50	57	170	255	40	47
	AICLX 65	76	65	65	195	295	75	88
	AICLX 80	89	80	65	195	330	140	164
	AICLX 100	108	100	105	380	415	200	234
	AICLX 125	133	121	120	392	430	207	240
	AICLX 150	159	146	175	433	445	354	410

Two step opening defrosting solenoid valve AMLX

Technical parameters

Nominal pressure: 2.8MPa Applicable temperature: $-45^{\circ}\text{C} \sim +120^{\circ}\text{C}$
Test pressure: 4.2MPa Applicable medium: Ammonia, Freon, CO_2 , etc.



Characteristics

- AMLX are two steps servo-operated normally close valves with screwed-on pilot solenoid valves. Valves use an external pressure source for opening (which means that no differential pressure across the AMLX valve is required).
- AMLX are used in suctionlines for the opening against high differential pressure, e.g. after hot gas defrost in large industrial refrigeration systems with ammonia or fluorinate refrigerants
- AMLX opens in two steps:
Step one opens to approx. 10% of the capacity, when the pilot solenoid valves are activated.
Step two opens automatically after the pressure differential across the valve reaches approximately 1-1.5 bar.

Name	Type	Size(mm)						kv	Cv
		ϕD	ϕd	A	H	L	L1		
AMLX Two step opening defrosting solenoid valve	AMLX 32	42	32	70	215	245	170	16	19
	AMLX 40	48	40	70	215	245	170	30	35
	AMLX 50	60	50	70	220	255	180	40	47
	AMLX 65	76	65	85	245	295	220	75	88
	AMLX 80	89	80	95	265	330	250	140	164
	AMLX 100	108	100	125	300	415	330	200	234
	AMLX 125	133	121	120	405	350	/	207	240
	AMLX 150	159	146	150	445	445	/	354	410

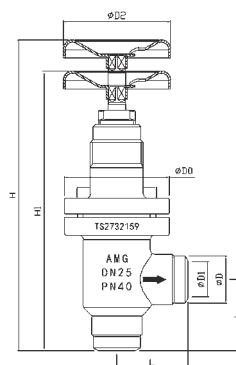
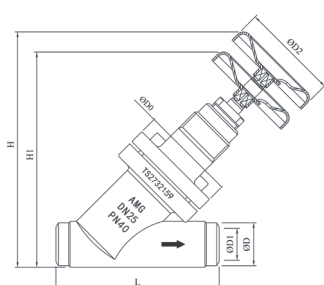
Forged steel stop valve RVT/RVY

Technical parameters

Nominal pressure: 4.0MPa	Applicable temperature: $-45^{\circ}\text{C} \sim +150^{\circ}\text{C}$
Test pressure: 6.0MPa	Applicable medium: Ammonia, Freon, CO_2 , etc.

Characteristics

RVY/RVT stop valves are designed to completely shut off the flow of the working medium moving through the pipeline. Valves are available in angle and straight. The shut-off valves are designed to meet all industrial refrigeration application requirements and are designed to give favourable flow characteristics and are easy to dismantle and repair when necessary. The valve cone is designed to ensure perfect closing and withstand a high system pulsation and vibration, which can be present specifically in the discharge line.



RVY15-80 Forged steel straight stop valve

RVT15-80 Forged steel angle stop valve

Name	Type	Size(mm)							Weight (Kg)
		ϕD	$\phi D1$	L	H1	H	$\phi D0$	$\phi D2$	
RVY Straight stop valve	RVY15	21	15	106	137	147	65	60	1.3
	RVY20	27	20	106	140	150	65	60	1.4
	RVY25	34	25	128	170	186	75	80	2.3
	RVY32	42	32	128	174	190	75	80	2.5
	RVY40	48	40	165	218	250	95	100	4.1
	RVY50	60	50	165	225	258	95	100	4.5
	RVY65	76	65	195	270	295	$\square 105$	120	8.8
	RVY80	89	80	212	305	350	$\square 115$	160	10.3

Name	Type	Size(mm)							Weight (Kg)
		ϕD	$\phi D1$	L	H1	H	$\phi D0$	$\phi D2$	
RVT Angle stop valve	RVT15	21	15	40	168	183	65	60	1.2
	RVT20	27	20	40	168	183	65	60	1.3
	RVT25	34	25	51	200	223	75	80	2.1
	RVT32	42	32	51	200	223	75	80	2.2
	RVT40	48	40	60	246	290	95	100	3.8
	RVT50	60	50	64	246	290	95	100	4.0
	RVT65	76	65	75	265	300	$\square 105$	120	7.2
	RVT80	89	80	80	305	345	$\square 115$	160	8.3

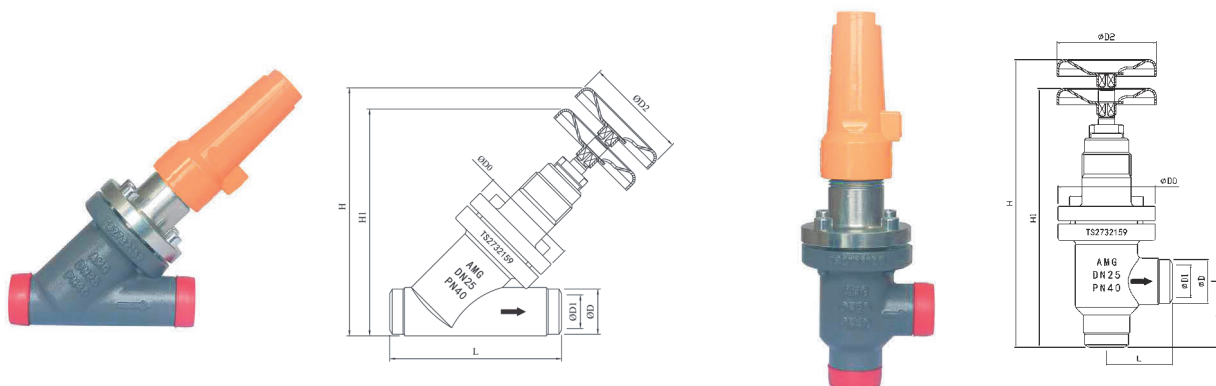
Forged steel regulating valve RRY/RRT

Technical parameters

Nominal pressure: 4.0MPa	Applicable temperature: $-45^{\circ}\text{C} \sim +150^{\circ}\text{C}$
Test pressure: 6.0MPa	Applicable medium: Ammonia, Freon, CO_2 , etc.

Characteristics

RRY/RRT control valve are angleway and straightway hand operated regulating valves, which act as normal shut-off valves in closed position. The valves are designed to meet the strict quality requirements on refrigerating installations specified by the international classification societies and are carefully designed to present favourable flow conditions and accurate linear characteristics.



RRY15-80 Forged steel straight regulating valve

RRT15-80 Forged steel angle regulating valve

Name	Type	Size(mm)							Weight (Kg)
		ϕD	$\phi D1$	L	H1	H	$\phi D0$	$\phi D2$	
RRY Straight regulating stop valve	RRY15	21	15	106	137	147	65	60	1.4
	RRY20	27	20	106	140	150	65	60	1.5
	RRY25	34	25	128	170	186	75	80	2.4
	RRY32	42	32	128	174	190	75	80	2.5
	RRY40	48	40	165	218	250	95	100	4.5
	RRY50	60	50	165	225	258	95	100	4.9
	RRY65	76	65	195	270	295	$\square 105$	120	9.3
	RRY80	89	80	212	305	350	$\square 115$	160	11

Name	Type	Size(mm)							Weight (Kg)
		ϕD	$\phi D1$	L	H1	H	$\phi D0$	$\phi D2$	
RRT Angle regulating stop valve	RRT15	21	15	40	168	183	65	60	1.3
	RRT20	27	20	40	168	183	65	60	1.4
	RRT25	34	25	51	200	223	75	80	2.2
	RRT32	42	32	51	200	223	75	80	2.3
	RRT40	48	40	60	246	290	95	100	4.1
	RRT50	60	50	64	246	290	95	100	4.2
	RRT65	76	65	75	265	300	$\square 105$	120	7.7
	RRT80	89	80	80	305	345	$\square 115$	160	9.1

Forged steel stop check valve VCY/VCT

Technical parameters

Nominal pressure: 4.0MPa	Applicable temperature: $-45^{\circ}\text{C} \sim +150^{\circ}\text{C}$
Test pressure: 6.0MPa	Applicable medium: Ammonia, Freon, CO_2 , etc.

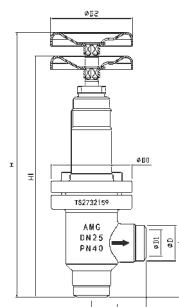
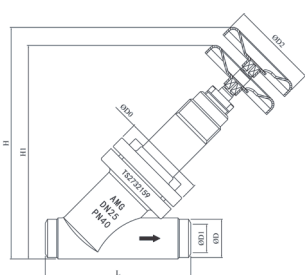
Characteristics

Stop-check valves type VCY/VCT allow the medium to flow in one direction and prevent it from flowing in the opposite direction. The valves are available in angle and straight-flow versions and have an integrated shut-off function.

The valves are designed to open at very low differential pressures, allow favourable flow conditions and are easy to disassemble for inspection and service.

The valve cone has a built-in flexibility to ensure a precise and tight closing towards the valve seat. A well balanced dampening effect between the piston and the cylinder gives an optimal protection during low loads and against pulsations.

The valves meet all the requirements for industrial refrigeration equipment.



VCY15-80 Forged steel straight stop check valve

VCT15-80 Forged steel angle stop check valve

Name	Type	Size(mm)							Weight (Kg)
		ϕD	$\phi D1$	L	H1	H	$\phi D0$	$\phi D2$	
VCY Straight stop check valve	VCY15	21	15	106	150	165	65	60	1.5
	VCY20	27	20	106	155	170	65	60	1.6
	VCY25	34	25	128	190	207	75	80	2.4
	VCY32	42	32	128	193	210	75	80	2.8
	VCY40	48	40	165	237	264	95	100	4.8
	VCY50	60	50	165	243	270	95	100	5.1
	VCY65	76	65	195	295	335	$\square 105$	120	8.7
	VCY80	89	80	212	326	365	$\square 115$	160	10

Name	Type	Size(mm)							Weight (Kg)
		ϕD	$\phi D1$	L	H1	H	$\phi D0$	$\phi D2$	
VCT Angle stop check valve	VCT15	21	15	40	190	210	65	60	1.3
	VCT20	27	20	40	190	210	65	60	1.4
	VCT25	34	25	51	227	253	75	80	2.4
	VCT32	42	32	51	227	253	75	80	2.5
	VCT40	48	40	60	276	313	95	100	4.2
	VCT50	60	50	64	276	313	95	100	4.4
	VCT65	76	65	75	300	355	$\square 105$	120	7.4
	VCT80	89	80	80	335	386	$\square 115$	160	8.2

Forged steel check valve RCY/RCT

Technical parameters

Nominal pressure: 4.0MPa	Applicable temperature: $-45^{\circ}\text{C} \sim +150^{\circ}\text{C}$
Test pressure: 6.0MPa	Applicable medium: Ammonia, Freon, CO_2 , etc.

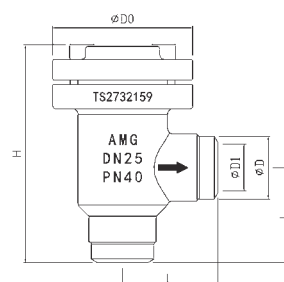
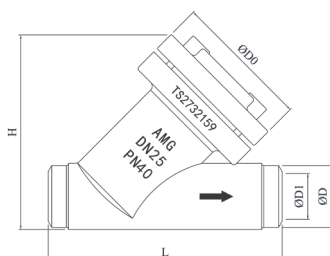
Characteristics

Check valves type RCY/RCT allow the medium to flow in one direction and prevent it from flowing in the opposite direction. The valves are available in angle and straight-flow versions.

The valves are designed to open at very low differential pressures, allow favourable flow conditions and are easy to disassemble for inspection and service.

The valve cone has a built-in flexibility to ensure a precise and tight closing towards the valve seat. A well balanced dampening effect between the piston and the cylinder gives an optimal protection during low loads and against pulsations.

The valves meet all the requirements for industrial refrigeration equipment.



RCY15-80 Forged steel straight check valve

RCT15-80 Forged steel angle check valve

Name	Type	Size(mm)					Weight (Kg)
		φ D	φ D1	L	H	φ D0	
RCY Straight check valve	RCY15	21	15	106	87	65	1.4
	RCY20	27	20	106	89	65	1.5
	RCY25	34	25	128	106	75	2.4
	RCY32	42	32	128	110	75	2.5
	RCY40	48	40	165	140	95	4.5
	RCY50	60	50	165	146	95	4.9
	RCY65	76	65	195	175	□105	9.3
	RCY80	89	80	212	193	□115	11

Name	Type	Size(mm)					Weight (Kg)
		φ D	φ D1	L	H	φ D0	
RCT Angle check valve	RCT15	21	15	40	183	65	1.3
	RCT20	27	20	40	183	65	1.4
	RCT25	34	25	51	223	75	2.2
	RCT32	42	32	51	223	75	2.3
	RCT40	48	40	60	290	95	4.1
	RCT50	60	50	64	290	95	4.2
	RCT65	76	65	75	300	□105	7.7
	RCT80	89	80	80	345	□115	9.1

Forged steel Filter FIAY/FIAT

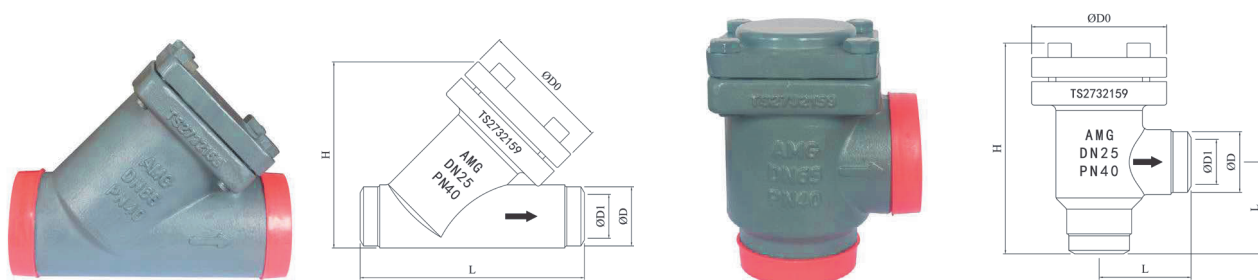
Technical parameters

Nominal pressure: 4.0MPa	Applicable temperature: $-45^{\circ}\text{C} \sim +150^{\circ}\text{C}$
Test pressure: 6.0MPa	Applicable medium: Ammonia, Freon, CO_2 , etc.

Characteristics

FIAY/FIAT strainers are used ahead of automatic controls, pumps, compressors etc., for initial plant start-up and where permanent filtration of the refrigerant is required. The strainer reduces the risk of undesirable system breakdowns and reduces wear and tear on plant components. FIAY/FIAT strainers are a range of angleway and straightway strainers, which are carefully designed to give favourable flow conditions. The design makes the strainer easy to install, and ensures quick Strainer inspection and cleaning.

FIAY/FIAT strainers are equipped with a screen mesh of stainless steel, available in sizes 100, 150, 250 and 500 μ (microns*), (Us 150, 100, 72, 38 mesh*). Mesh is the number of threads per inch. μ (microns) is the distance between two threads ($1\mu = 1/1000 \text{ mm}$).



FIA15-80Y Forged steel straight filter

FIA15-80T Forged steel angle Filter

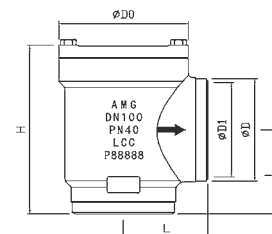
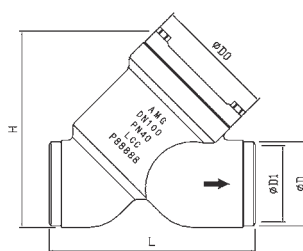
Name	Type	Size(mm)					Weight (Kg)
		ϕD	$\phi D1$	L	H	$\phi D0$	
FIAY Straight filter	FIA15Y	21	15	106	87	65	1.0
	FIA20Y	27	20	106	89	65	1.1
	FIA25Y	34	25	128	106	75	1.5
	FIA32Y	42	32	128	110	75	1.7
	FIA40Y	48	40	165	140	95	3
	FIA50Y	60	50	165	146	95	3.3
	FIA65Y	76	65	195	175	$\square 105$	5.8
	FIA80Y	89	80	212	193	$\square 115$	7.1

Name	Type	Size(mm)					Weight (Kg)
		ϕD	$\phi D1$	L	H	$\phi D0$	
FIAT Angle filter	FIA15T	21	15	40	92	65	0.9
	FIA20T	27	20	40	92	65	0.9
	FIA25T	34	25	51	110	75	1.2
	FIA32T	42	32	51	110	75	1.4
	FIA40T	48	40	60	138	95	2.4
	FIA50T	60	50	64	138	95	2.7
	FIA65T	76	65	75	150	$\square 105$	4.4
	FIA80T	89	80	80	162	$\square 115$	5.1

RCY/T100-150-ZG cast steel check valve

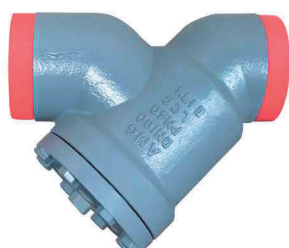
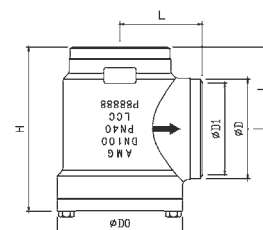
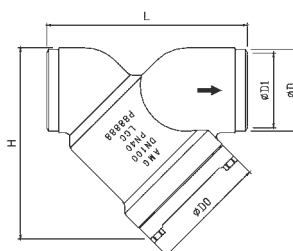
Technical parameters

Nominal pressure: 4.0MPa Applicable temperature: -45°C ~ +150°C
Test pressure: 6.0MPa Applicable medium: Ammonia, Freon, CO₂, etc.



Name	Type	Size(mm)					Weight (Kg)
		φ D	φ D1	L	H	φ D0	
RCY-ZG Straight check valve	RCY100-ZG	108	99	264	250	156	14
	RCY125-ZG	133	123	322	310	193	26
	RCY150-ZG	159	149	370	355	219	32
RCT-ZG Angle check valve	RCT100-ZG	108	99	106	220	156	12
	RCT125-ZG	133	123	128	270	193	21
	RCT150-ZG	159	149	145	300	219	26

FIA100-150 Y/T -ZG cast steel Filter



Name	Type	Size(mm)					Weight (Kg)
		φ D	φ D1	L	H	φ D0	
FIAY-ZG Straight Filter	FIA100Y-ZG	108	99	264	250	156	13
	FIA125Y-ZG	133	123	322	310	193	24
	FIA150Y-ZG	159	149	370	355	219	30
FIAT-ZG Angle Filter	FIA100T-ZG	108	99	106	220	156	11
	FIA125T-ZG	133	123	128	270	193	15
	FIA150T-ZG	159	149	145	300	219	22

Stainless steel stop valve RVY-SS/RVT-SS

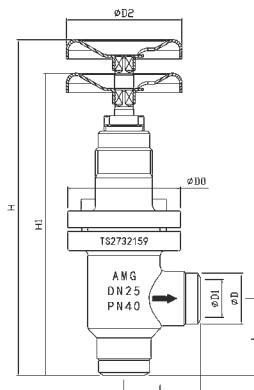
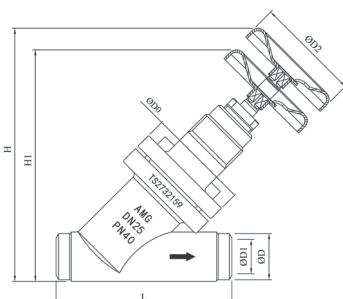
Technical parameters

Nominal pressure: 4.0MPa

Applicable temperature: -100°C ~ +150°C

Test pressure: 6.0MPa

Applicable medium: Ammonia, Freon, CO₂, etc.



RVY 15-300SS Stainless steel straight stop valve

RVT 15-350SS Stainless steel angle stop valve

Name	Type	Size(mm)							Weight (Kg)
		φ D	φ D1	L	H1	H	φ D0	φ D2	
RVYSS Stainless steel straight stop valve	RVY15SS	21	15	106	137	147	65	60	1.3
	RVY20SS	27	20	106	140	150	65	60	1.4
	RVY25SS	34	25	128	170	186	75	80	2.4
	RVY32SS	42	32	128	174	190	75	80	2.5
	RVY40SS	48	40	165	218	250	95	100	4.3
	RVY50SS	60	50	165	225	258	95	100	4.6
	RVY65SS	76	65	176	240	265	□90	120	8.8
	RVY80SS	89	80	216	290	310	128	160	10
	RVY100SS	108	99	264	340	375	156	180	16
	RVY125SS	133	123	322	445	495	193	200	30
	RVY150SS	159	149	370	480	540	219	250	39
	RVY200SS	219	205	464	615	680	276	350	90
	RVY250SS	273	257	550	715	790	334	400	110
	RVY300SS	325	305	620	775	850	384	400	150

Name	Type	Size(mm)							Weight (Kg)
		φ D	φ D1	L	H1	H	φ D0	φ D2	
RVTSS Stainless steel angle stop valve	RVT15SS	21	15	40	168	183	65	60	1.2
	RVT20SS	27	20	40	168	183	65	60	1.3
	RVT25SS	34	25	51	200	223	75	80	2.1
	RVT32SS	42	32	51	200	223	75	80	2.2
	RVT40SS	48	40	60	246	290	95	100	3.8
	RVT50SS	60	50	64	246	290	95	100	4
	RVT65SS	76	65	70	240	275	□90	120	7.2
	RVT80SS	89	80	90	280	315	128	160	8.3
	RVT100SS	108	99	106	325	375	156	180	14
	RVT125SS	133	123	128	430	500	193	200	27
	RVT150SS	159	149	145	460	545	219	250	35
	RVT200SS	219	205	180	550	645	276	350	73
	RVT250SS	273	257	210	620	725	334	400	100
	RVT300SS	325	305	240	655	760	384	400	140
	RVT350SS	377	355	430	720	820	430	500	180

Stainless steel control valve RRY-SS/RRT-SS

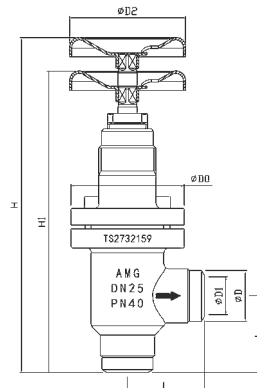
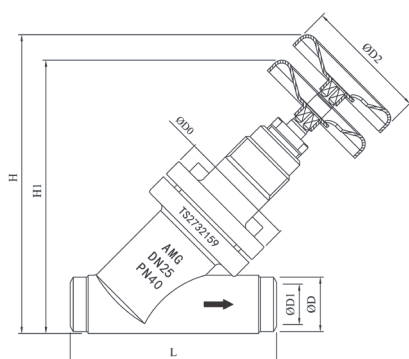
Technical parameters

Nominal pressure: 4.0MPa

Applicable temperature: $-100^{\circ}\text{C} \sim +150^{\circ}\text{C}$

Test pressure: 6.0MPa

Applicable medium: Ammonia, Freon, CO_2 , etc.



RRY 15-80SS Stainless steel straight control valve

RRT 15-80SS Stainless steel angle control valve

Name	Type	Size(mm)							Weight (Kg)
		ϕD	$\phi D1$	L	H1	H	$\phi D0$	$\phi D2$	
RRYSS Stainless steel straight regulating valve	RRY15SS	21	15	106	137	147	65	60	1.4
	RRY20SS	27	20	106	140	150	65	60	1.5
	RRY25SS	34	25	128	170	186	75	80	2.5
	RRY32SS	42	32	128	174	190	75	80	2.5
	RRY40SS	48	40	165	218	250	95	100	4.4
	RRY50SS	60	50	165	225	258	95	100	4.8
	RRY65SS	76	65	176	240	265	$\square 90$	120	9.3
	RRY80SS	89	80	216	290	310	128	160	11.1

Name	Type	Size(mm)							Weight (Kg)
		ϕD	$\phi D1$	L	H1	H	$\phi D0$	$\phi D2$	
RRTSS Stainless steel angle regulating valve	RRT15SS	21	15	40	168	183	65	60	1.2
	RRT20SS	27	20	40	168	183	65	60	1.3
	RRT25SS	34	25	51	200	223	75	80	2.2
	RRT32SS	42	32	51	200	223	75	80	2.3
	RRT40SS	48	40	60	246	290	95	100	4.1
	RRT50SS	60	50	64	246	290	95	100	4.2
	RRT65SS	76	65	70	240	275	$\square 90$	120	7.7
	RRT80SS	89	80	90	280	315	128	160	9.1

Stainless steel check valve RCY-SS/RCT-SS

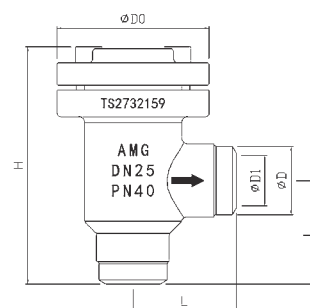
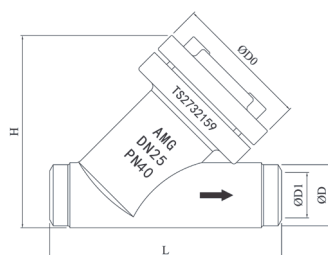
Technical parameters

Nominal pressure: 4.0MPa

Applicable temperature: $-100^{\circ}\text{C} \sim +150^{\circ}\text{C}$

Test pressure: 6.0MPa

Applicable medium: Ammonia, Freon, CO_2 , etc.



RCY15-150SS Stainless steel straight check valve

RCT 15-150SS Stainless steel angle check valve

Name	Type	Size(mm)					Weight (Kg)
		ϕ D	ϕ D1	L	H	ϕ D0	
RCYSS Stainless steel straight check valve	RCY15SS	21	15	106	87	65	1.1
	RCY20SS	27	20	106	89	65	1.2
	RCY25SS	34	25	128	106	75	1.9
	RCY32SS	42	32	128	110	75	2
	RCY40SS	48	40	165	140	95	3.8
	RCY50SS	60	50	165	146	95	4.2
	RCY65SS	76	65	176	160	□90	7.1
	RCY80SS	89	80	216	205	128	8.4
	RCY100SS	108	99	264	250	156	14
	RCY125SS	133	123	322	310	193	26
	RCY150SS	159	149	370	355	219	32

Name	Type	Size(mm)					Weight (Kg)
		ϕ D	ϕ D1	L	H	ϕ D0	
RCTSS Stainless steel angle check valve	RCT15SS	21	15	40	100	65	1
	RCT20SS	27	20	40	100	65	1.1
	RCT25SS	34	25	51	116	75	1.6
	RCT32SS	42	32	51	116	75	1.7
	RCT40SS	48	40	60	150	95	3.2
	RCT50SS	60	50	64	150	95	3.6
	RCT65SS	76	65	70	140	□90	5.6
	RCT80SS	89	80	90	180	128	6.3
	RCT100SS	108	99	106	210	156	12
	RCT125SS	133	123	128	260	193	21
	RCT150SS	159	149	145	295	219	26

Stainless steel stop check valve VCY-SS/VCT-SS

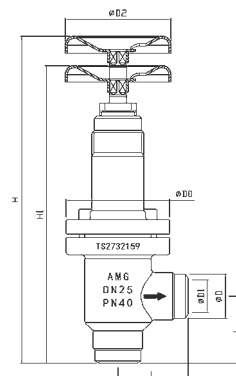
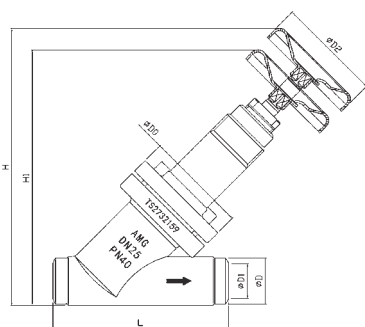
Technical parameters

Nominal pressure: 4.0MPa

Applicable temperature: -100°C ~ +150°C

Test pressure: 6.0MPa

Applicable medium: Ammonia, Freon, CO₂, etc.



VCY15-150 Stainless steel straight stop check valve

VCT15-150 Stainless steel angle stop check valve

Name	Type	Size(mm)							Weight (Kg)
		φ D	φ D1	L	H1	H	φ D0	φ D2	
VCYSS Stainless steel straight stop check valve	VCY15SS	21	15	106	150	165	65	60	1.5
	VCY20SS	27	20	106	155	170	65	60	1.6
	VCY25SS	34	25	128	190	207	75	80	2.4
	VCY32SS	42	32	128	193	210	75	80	2.8
	VCY40SS	48	40	165	237	264	95	100	4.8
	VCY50SS	60	50	165	243	270	95	100	5
	VCY65SS	76	65	176	240	265	□90	120	8.7
	VCY80SS	89	80	216	310	335	128	160	10
	VCY100SS	108	99	264	365	405	156	180	19
	VCY125SS	133	123	322	445	495	193	200	33
	VCY150SS	159	149	370	480	540	219	250	43

Name	Type	Size(mm)							Weight (Kg)
		φ D	φ D1	L	H1	H	φ D0	φ D2	
VCTSS Stainless steel angle stop check valve	VCT15SS	21	15	40	190	210	65	60	1.3
	VCT20SS	27	20	40	190	210	65	60	1.4
	VCT25SS	34	25	51	227	253	75	80	2.4
	VCT32SS	42	32	51	227	253	75	80	2.5
	VCT40SS	48	40	60	276	313	95	100	4.2
	VCT50SS	60	50	64	276	313	95	100	4.3
	VCT65SS	76	65	70	240	275	□90	120	7.4
	VCT80SS	89	80	90	320	355	128	160	8.2
	VCT100SS	108	99	106	365	425	156	180	18
	VCT125SS	133	123	128	430	500	193	200	29
	VCT150SS	159	149	145	460	545	219	250	38

Stainless steel filter FIA-SS-Y/FIA-SS-T

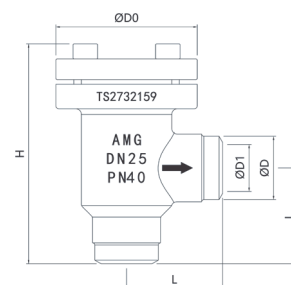
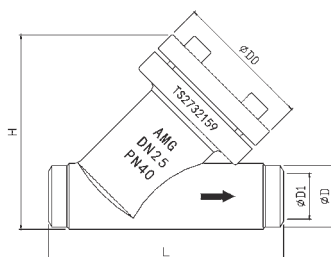
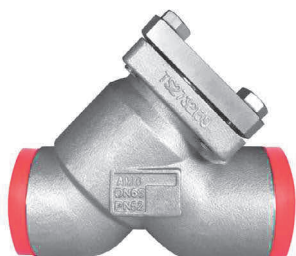
Technical parameters

Nominal pressure: 4.0MPa

Applicable temperature: -100°C ~ +150°C

Test pressure: 6.0MPa

Applicable medium: Ammonia, Freon, CO₂, etc.



FIA15-150SS-Y Stainless steel straight filter

FIA15-150SS-T Stainless steel angle filter

Name	Type	Size(mm)					Weight (Kg)
		φ D	φ D1	L	H	φ D0	
FIAYSS Stainless steel straight filter	FIA15SS-Y	21	15	106	87	65	1.0
	FIA20SS-Y	27	20	106	89	65	1.1
	FIA25SS-Y	34	25	128	106	75	1.5
	FIA32SS-Y	42	32	128	110	75	1.7
	FIA40SS-Y	48	40	165	140	95	3.0
	FIA50SS-Y	60	50	165	146	95	3.3
	FIA65SS-Y	76	65	176	160	□90	5.8
	FIA80SS-Y	89	80	216	205	128	7.1
	FIA100SS-Y	108	99	264	250	156	13
	FIA125SS-Y	133	123	322	310	193	24
	FIA150SS-Y	159	149	370	355	219	30

Name	Type	Size(mm)					Weight (Kg)
		φ D	φ D1	L	H	φ D0	
FIATSS Stainless steel angle filter	FIA15SS-T	21	15	40	92	65	0.9
	FIA20SS-T	27	20	40	92	65	0.9
	FIA25SS-T	34	25	51	110	75	1.2
	FIA32SS-T	42	32	51	110	75	1.4
	FIA40SS-T	48	40	60	138	95	2.4
	FIA50SS-T	60	50	64	138	95	2.7
	FIA65SS-T	76	65	70	150	□90	4.4
	FIA80SS-T	89	80	90	190	128	5.1
	FIA100SS-T	108	99	106	220	156	11
	FIA125SS-T	133	123	128	270	193	15
	FIA150SS-T	159	149	145	300	219	22

ANRVA / RCH check valve

ANRVA15-65/RCH25-350 Welding neck flange straight check valve

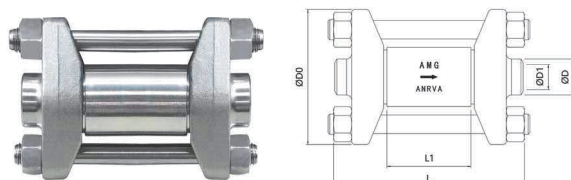
Nominal pressure: 4.0MPa

Applicable temperature: $-100^{\circ}\text{C} \sim +150^{\circ}\text{C}$

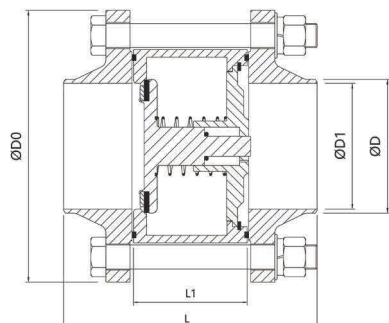
Test pressure: 6.0MPa

Applicable medium: Ammonia, Freon, CO_2 , etc.

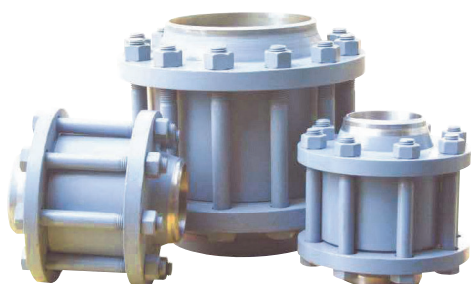
Technical parameters



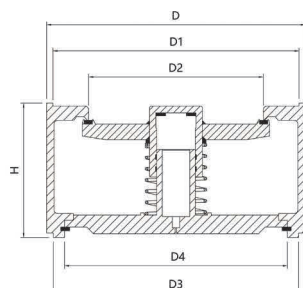
Name	Type	Size(mm)					Weight (Kg)
		φ D	φ D1	L	L1	φ D0	
ANRVA Flange straight check valve	ANRVA15	21	15	115	50	○80	1
	ANRVA20	27	20	115	60	○80	1.1
	ANRVA25	34	25	140	70	□60	1.9
	ANRVA32	42	32	150	75	□70	2.2
	ANRVA40	48	40	170	95	□90	4.1
	ANRVA50	60	50	170	95	□90	4
	ANRVA65	76	65	125	225	185	9



Name	Type	Size(mm)					Weight (Kg)
		φ D	φ D1	L	L1	φ D0	
RCH-F Flange straight check valve	RCH25-F	34	25	150	70	115	4.35
	RCH32-F	42	32	155	70	140	6.3
	RCH40-F	48	40	165	72	150	7.6
	RCH50-F	60	50	175	77	165	9.4
	RCH65-F	76	65	195	90	185	14.3
	RCH80-F	89	80	220	100	200	17.9
	RCH100-F	108	99	245	113	235	25.4
	RCH125-F	133	124	265	123	270	36
	RCH150-F	159	149	285	130	300	46.4
	RCH200-F	219	205	325	160	360	71.6
	RCH250-F	273	259	360	180	425	102.5
	RCH300-F	325	305	380	190	485	
	RCH350-F	377	355	425	220	555	



RCH80-400 Screw machine dedicated to breac the check valve



Name	Type	Size(mm)						Weight (Kg)
		φ D	φ D1	φ D2	φ D3	φ D4	H	
RCH Special Inhalation Check Valve for Screw Machine	RCH32	73	65	32	66	47	75	1.5
	RCH40	86	75	42	76	55	80	2
	RCH50	93	87	52	88	65	85	2.3
	RCH65	118	109	65	110	85	97	4.5
	RCH80	138	120	80	121	95	108	5.5
	RCH100	144	129	96	129	110	123	6
	RCH125	165	154	105	155	120	123	9
	RCH150	200	190	135	190	160	130	12
	RCH200	270	259	190	260	229	160	23
	RCH250	348	330	235	331	300	180	33
	RCH300	400	363	290	364	320	190	56
	RCH350	453	421	338	422	380	220	73
	RCH400	505	474	370	477	430	260	99