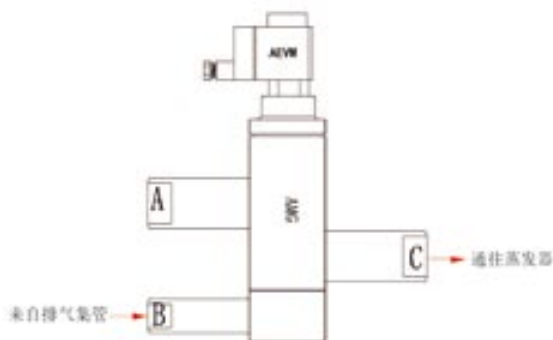
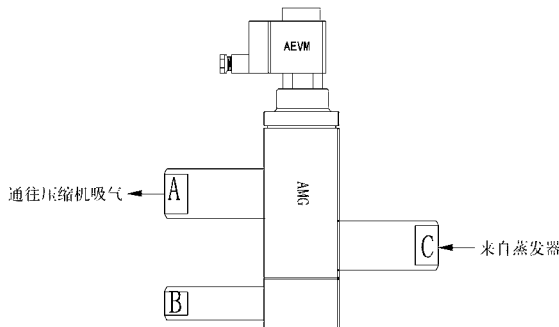
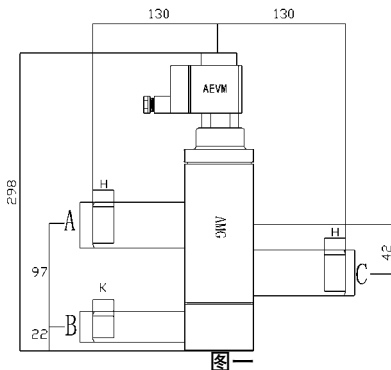


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AVF

Defrost electromagnetism valves AVF series



Technical parameters

Nominal pressure: 2.8MPa Applicable temperature: $-50^{\circ}\text{C} \sim +150^{\circ}\text{C}$

Test pressure: 4.2MPa Applicable medium: ammonia, fluorine, etc.

Characteristics

- The AVF valves, are three way valve with electric working, designed to use for defrost by hot gas.
- The valves are designed with internal communication inter-chambers, avoiding external tubes and connections.
- Refrigeration cycle: when the solenoid coil loses power, the B interface channel is closed, and the AVF valve is in the normal flow direction, and the air is inhaled from the evaporator to the compressor. See Figure 2 for the connection between interface C and interface a.
- Defrosting cycle cycle: when the solenoid is powered on, the internal channel of AVF valve is switched, and the interface a to the compressor is closed, and the hot gas of interface B is connected through C. See Fig. 3 for defrosting after the inlet enters the evaporator.
- When the temperature or time in the evaporator reaches the set value, the solenoid valve is closed, the hot gas defrosting will end, and the refrigeration cycle will start again. (but the fan needs to be delayed for a period of time before starting, commonly known as dripping time)
- AVF valve can only be connected with the exhaust integrated main pipe, and it is not allowed to be directly connected with the exhaust main pipe.

Type	φ A		φ B		φ C	H	k
	inch	mm	inch	mm			
AVF 25-D	1-1/8"	34	7/8"	28	34	25	20
AVF 32-D	1-3/8"	42	7/8"	28	42	25	20
AVF 40-D	1-5/8"	48	7/8"	28	48	25	20
AVF 50-D	2-1/8"	60	1-1/8"	35	60	25	20



Characteristic

- AEVRA is a direct or servo-operated solenoid valve used in liquid, aspiration or hot gas pipelines of refrigerants such as ammonia and fluorine.
- AEVRAT is an auxiliary open servo solenoid valve, which can be used in liquid, aspiration or hot gas pipeline of refrigerant such as ammonia or fluorine.
- The special design of AEVRAT makes it open without pressure difference, so it is especially suitable for situations requiring zero pressure difference. AEVRAT has manual opening device.

Technical parameters

Type	(ΔP bar)				°C	bar	Kv m ³ /h
	min						
		10w a.c.	12w a.c.	20w a.c.			
AEVRA10	0.05	21	25	18	-40~+105	42	1.5
AEVRAT10	0.00	14	21	16	-40~+105	42	1.5
AEVRA15	0.05	21	25	18	-40~+105	42	2.7
AEVRAT15	0.00	14	21	16	-40~+105	42	2.7
AEVRA20	0.05	21	25	13	-40~+105	42	4.5
AEVRAT20	0.05	14	21	13	-40~+105	42	4.5
AEVRA25	0.20	21	25	14	-40~+105	42	10.0
AEVRA32	0.20	21	25	14	-40~+105	42	16.0
AEVRA40	0.20	21	25	14	-40~+105	42	25.0
AEVRA50	0.20	21	25	14	-40~+105	42	25.0

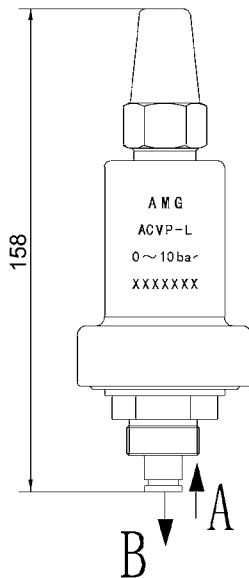
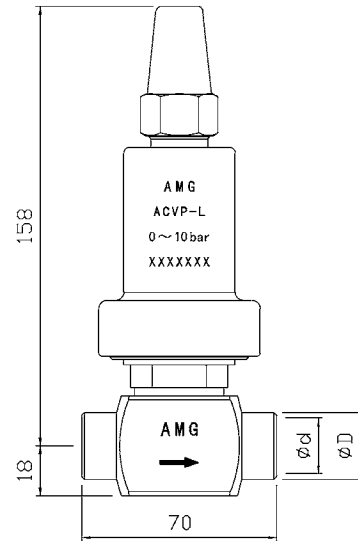
Type	KW								
	R717	R22	R134a	R717	R22	R134a	R717	R22	R134a
AEVRAT10	142	30.2	27.8	9.0	3.4	2.5	42.6	13.9	11.3
AEVRAT15	256	54.4	50.1	16.1	6.2	4.4	76.7	24.9	20.3
AEVRAT20	426	90.6	83.5	26.9	10.3	7.3	128	41.5	33.9
AEVRA25	947	201	186	59.7	22.8	16.3	284	92.3	75.3
AEVRA32	1515	322	297	95.5	36.5	26.1	454	148	120
AEVRA40	2368	503	464	149	57.0	40.8	710	231	188
AEVRA50	2368	503	464	149	57.0	40.8	710	231	188

ACVP-L & ACVP-M

Pressure Control Pilots ACVP-L & ACVP-M

Technical parameters

Nominal pressure: 5.2MPa	Applicable temperature: $-50^{\circ}\text{C} \sim +120^{\circ}\text{C}$
Test pressure: 7.8MPa	Applicable medium: ammonia, fluorine, propane, etc.



Characteristics

- The pilot valve ACVP-L is used for constant pressure regulating valves, which can be directly installed on the main valve AM series and AICS series, or can be installed with the ACVH valve seat in an external pipe to control one or more main valves
- ACVP-L: 0 Bars ~ 10 Bars
ACVP-M: -0.65 Bars ~ 7 Bars
The Pilots ACVP-L & ACVP-M both working in lower pressure, but in different range of regulation:
ACVP-L: 0 Bars to 10 Bars
ACVP-M: - 0.65 Bars to 7 Bars
- Turning the regulating spindle clockwise, increases the opening pressure of the pilot, (thus the evaporating pressure and temperature), and they decrease when we turn the spindle anticlockwise
- The guide valve is used to keep the inlet pressure of AM main valve constant. The low-pressure ACVP-L should avoid vibration.
- When ACVP is installed on the ACVH seat, it can be used as either a separate constant pressure valve or a safety pressure valve.

	(bar)	KV (m ³ /h)	(°C)	(bar)
ACVP-L	17	0.4	-50/+120	0-10
ACVP-M	17	0.4	-50/+120	-0.65-7

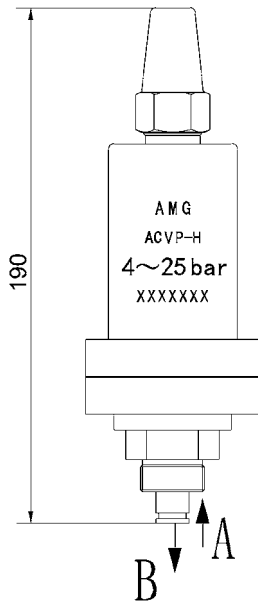
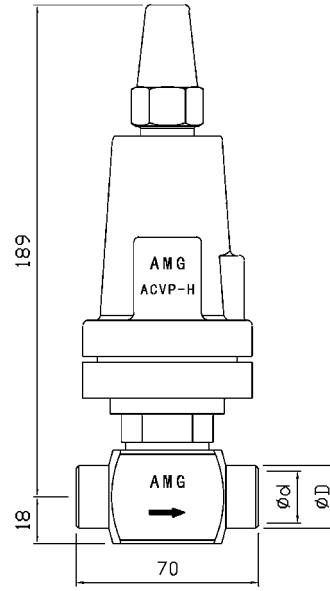
	L	L1	H	D	d1	B
ACVH	70	50	35	23.5	NPT3/8	M24x1.5

ACVP-H

Pressure Control Pilots ACVP-H

Technical parameters

Nominal pressure: 5.2MPa	Applicable temperature: $-50^{\circ}\text{C} \sim +120^{\circ}\text{C}$
Test pressure: 7.8MPa	Applicable medium: ammonia, fluorine, propane, etc.



Characteristics

- The pilot valve ACVP-H is used for constant pressure regulating valves, which can be directly installed on the main valve AM series and AICS series, or can be installed with the ACVH valve seat in an external pipe to control one or more main valves
- The Pilots ACVP-H working in higher pressure with a range of regulation of 4 Bars to 25 Bars.
- Turning the regulating spindle clockwise, increases the opening pressure of the pilot, (thus the condensating pressure and temperature), and they decrease when we turn the spindle anticlockwise
- ACVP-H pilot valve is used to keep AM main valve inlet pressure constant. It can also be used as a safety valve, for example, to prevent excessive pressure due to the presence of effusion.

	(bar)	KV(m ³ /h)	(°C)	(bar)
ACVP-HP	28	0.4	-50/+120	4-25

	L	L1	H	D	d1	B
ACVH	70	50	35	23.5	NPT3/8	M24x1.5

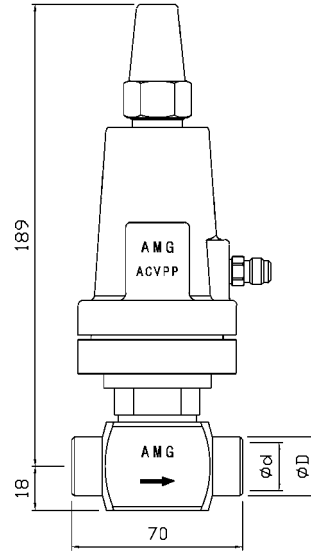
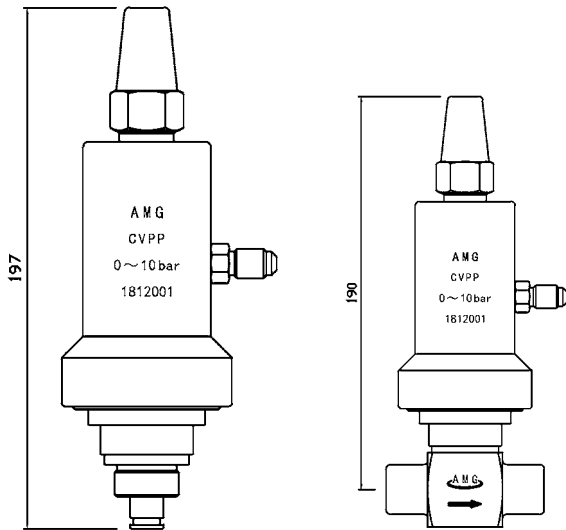
- The screw must be replaced with stainless steel bolt when it is used at ambient temperature below - 50 C.

ACVPP

Pressure Control Pilots ACVPP

Technical parameters

Nominal pressure: 5.2MPa	Applicable temperature: $-50^{\circ}\text{C} \sim +120^{\circ}\text{C}$
Test pressure: 7.8MPa	Applicable medium: ammonia, fluorine, propane, etc.



Characteristics

- The pilot valve ACVPP is used for differential pressure regulating valves, which can be installed directly on the main valve AM series and AICS series, or can be installed with the ACVH valve seat in an external pipe to control one or more main valves
- The Pilots ACVPP working by differential pressure with a range of regulation of 0 Bars to 10 Bars.
- Turning the regulating spindle clockwise, increases the opening differential pressure of the pilot, (thus the evaporating pressure for ex.) and it decreases when we turn the spindle anticlockwise.
- This guide valve is used to keep the difference between AM inlet pressure and ACVPP reference pressure constant.

	(bar)	KV(m ³ /h)	(°C)	(bar)
ACVPP	28	0.4	-50/+120	0-10

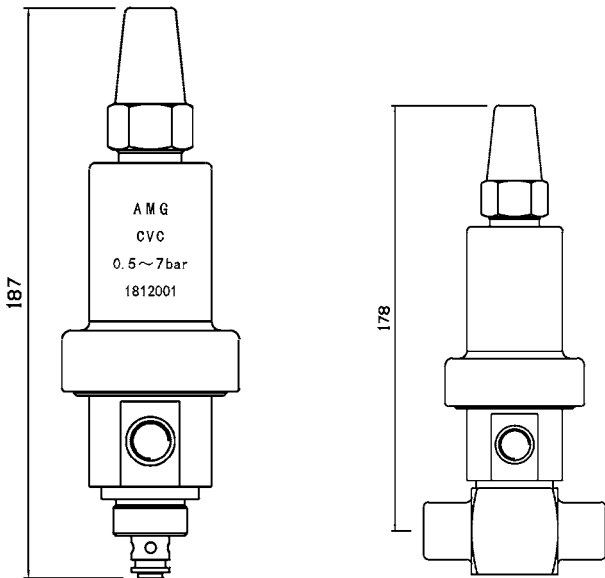
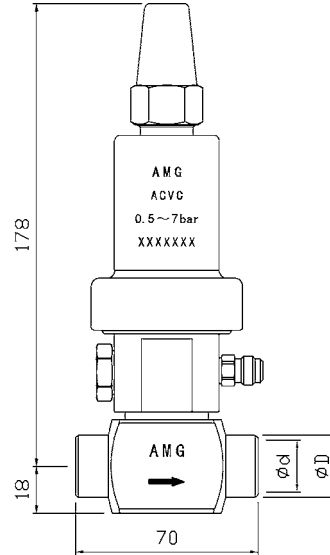
	L	L1	H	D	d1	B
ACVH	70	50	35	23.5	NPT3/8	M24x1.5

ACVC

Pressure Control Pilots ACVC

Technical parameters

Nominal pressure: 5.2MPa Applicable temperature: $-50^{\circ}\text{C} \sim +120^{\circ}\text{C}$
 Test pressure: 7.8MPa Applicable medium: ammonia, fluorine, propane, etc.



	bar	KV (m ³ /h)	($^{\circ}\text{C}$)	(bar)
ACVC	28	0.4	-50/+120	0.5-7

	L	L1	H	D	d1	B
ACVH	70	50	35	23.5	NPT3/8	M24x1.5

Characteristics

- The pilot valve ACVC is used for downstream pressure regulating valves, which can be directly installed on the main valve AM series and AICS series, or can be installed with the ACVH valve seat in the external pipe to control one or more main valves
- The Pilots ACVC working by a range of pressure regulation of - 0,5 Bars to 7 Bars.
- Turning the regulating spindle clockwise, increases the opening pressure of the pilot, (thus the suction pressure for ex.) and it decreases when we turn the spindle anticlockwise
- ACVC combines AM main valve to regulate maximum suction pressure, such as crankcase pressure of compressor.
- The reference pressure must be connected to the low pressure side of the system.

AEVM-NC & AEVM-NO

AEVM-NC & AEVM-NO Solenoid Pilots

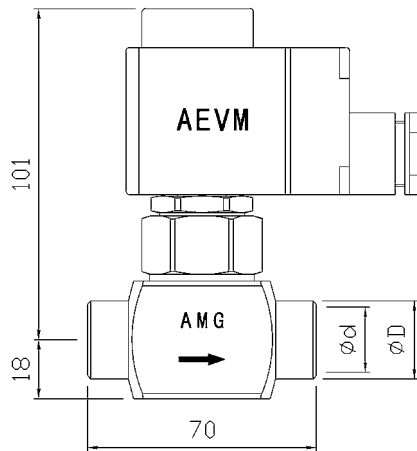


Technical parameters

Nominal pressure: 5.2MPa	Applicable temperature: $-50^{\circ}\text{C} \sim +120^{\circ}\text{C}$
Test pressure: 7.8MPa	Applicable medium: ammonia, fluorine, propane, etc.

Characteristics

- Pilot valve AEVM is an electromagnetic pilot valve used to open and close main valves. It can be installed directly on the AM series and AICS series of main valves, or it can be installed with the ACVH valve seat in an external pipe to control one or more main valves
- The pilot valve aevm-nc is normally closed. When the coil loses power, the pilot valve is closed. When the coil is energized, the pilot valve opens. Then, the pressure acts on the am main valve piston and the regulating main valve opens
- The MOPD of the pilots AEVM-NC is 21 bar, and for AEVM-NO 19 bar.



- The standard coil NC and NO type AC 220V-50/60Hz and they are supplied encapsulated and with a DIN 43650 plug.
- AEVM is an electromagnetic conductivity valve which regulates the opening and closing of AM main valve. When installed on ACVH seat, it can be used as an independent solenoid valve.

	V	HZ		W
	220-230	50/60	A.C	10

	(bar)	KV (m ³ /h)	(bar)
AEVM	28	0.37	21

	L	L1	H	D	d1	B
ACVH	70	50	35	23.5	NPT3/8	M24x1.5

Types of combinations	Model	Function	Action work	Applications
Standard constant pressure control valves	RSA	Inlet pressure control	Open when inlet pressure is above the set value	Any inlet pressure control Condensation pressure control
Regulating valve with forced shut-off function	RSAS	Inlet pressure control or closing of the regulating valve	Adjusts when power is applied, switches off when power is lost	Temperature control on Off when defrosting
Regulating valve with forced full opening function	RSAB	Inlet pressure control or fully open control valves	Adjusted when power is lost, fully open when power is gained	Adjustment during temperature control Frost control
Dual pressure control regulator valves	RSAD	Dual pressure control regulator valves	Low voltage regulation when powered High voltage regulation in case of power failure	High pressure defrost Internal pressure relief
Outlet pressure regulation	RSAO	Control of outlet pressure	Outlet pressure setting, field adjustable, opens when outlet pressure drops	Crankcase pressure adjustment Hot air bypass Reservoir pressure control
Differential pressure regulation	RSAL	Maintain set differential pressure	Adjusting the pressure differential when it falls below the set value	Supply pump pressure relief regulation Differential pressure between condenser and reservoir
Differential pressure regulation with electromagnetic opening and closing	RSABL	Maintains differential pressure between valve inlet and outlet and allows pressure adjustment	Cooling when powered Frosting in case of power failure	Hot air melts frost Internal pressure relief
Solenoid valves	VMP	System piping fully open or closed	Fully open when powered Switch off in case of power failure	Suction line Liquid lines Hot air defrost
Pneumatic Valves	RAK	Normally open type pneumatic closure	Turn off when power is applied	Return air lines and places where short time closures are required
Pneumatic Valves	RACK	Normally closed type pneumatic opening	Fully open when powered	Hot air defrosting, liquid pump circulation and applications where automatic opening is required for short periods of time
Two-step frost melting solenoid valve	AMLX	Two-step normally closed pneumatic opening	The first step of the coil is powered on 10%, the second step is fully open	Where automatic shut-off is required even if the pressure in the frost return line or external line is less than the inlet pressure
Constant pressure differential pressure combination valves	RSALA	Inlet pressure control	A coil is energised for constant pressure, B coil is energised for differential pressure	Condensation pressure control Hot air melts frost

These are the usual configurations of pressure regulating valves, please contact AMG if you require other combinations.

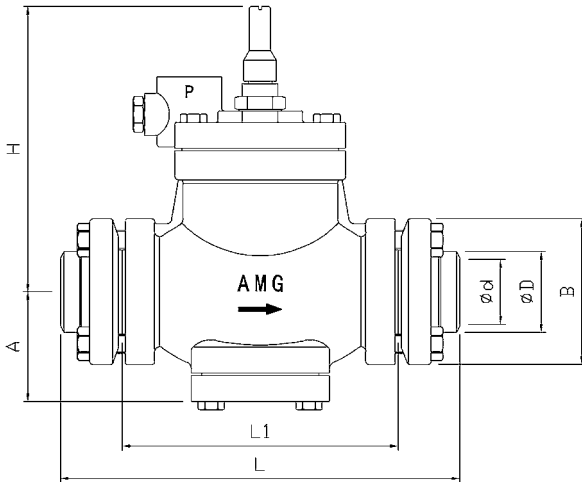


Technical parameters

Nominal pressure: 2.8MPa	Applicable temperature: $-50^{\circ}\text{C} \sim +120^{\circ}\text{C}$
Test pressure: 4.2MPa	Applicable medium: ammonia, fluorine, propane, etc.

Characteristics

- Flow regulating valves, servo-operated by different pilot valves screwed-in the main valve or mounted in an external pilot line.
- The AM1 are designed to use with ammonia and other common fluorinated refrigerants, for liquid, suction, discharge or defrosting lines, and they have one port, thus, you can screw-in one pilot valve only.

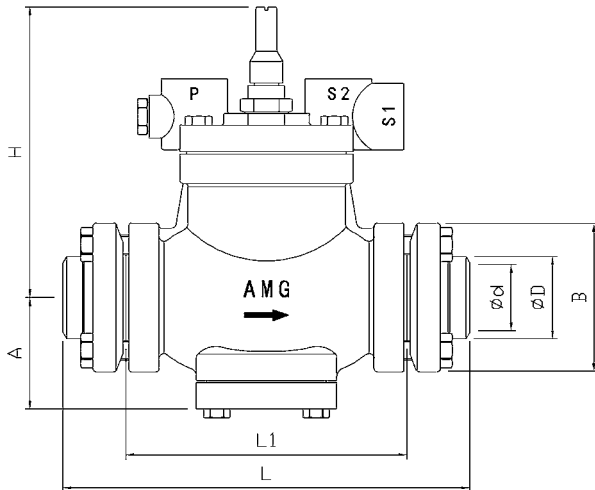


- The thread to screw-in the pilot valves is M24x1.5, and the pressure gauge connection 1/4"BSP.
- The degree of opening of AM1 valves is function of the differential pressure between the inlet and outlet, so if the pressure difference is $\Delta p = 0.3$ bar, the main valve will be fully open, and if it is $\Delta p = 0.2 \sim 0.3$ bar, the degree of opening will be correspondingly proportional to Δp .

Name	Type	Size (mm)								kv	Cv
		DN		ϕD	ϕd	A	H	L	L1		
Main Valves Type	AM1 20	3/4"	20	27	20	65	150	190	125	6	7
	AM1 25	1"	25	34	25	65	150	190	125	9	10.5
	AM1 32	1 1/4"	32	42	32	70	175	245	170	16	19
	AM1 40	1 1/2"	40	48	40	70	175	245	170	30	35
	AM1 50	2"	50	60	50	70	180	255	180	40	47
	AM1 65	2 1/2"	65	76	65	85	205	295	220	75	88
	AM1 80	3"	80	89	80	95	225	330	250	140	164
	AM1 100	4"	100	108	100	125	260	415	330	200	234
	AM1 125	5"	125	133	121	120	405	350	/	207	240
AM1 150	6"	150	159	146	150	445	445	/	354	410	

AM3

Main Valves AM3 series



Technical parameters

Nominal pressure: 2.8MPa	Applicable temperature: 0–50°C ~ +120°C
Test pressure: 4.2MPa	Applicable medium: ammonia, fluorine, propane, etc.

Characteristics

- Flow regulating valves, servo-operated by different pilot valves screwed-in the main valve or mounted in an external pilot line.
- The AM3 are designed to use with ammonia and other common fluorinated refrigerants, for liquid, suction, discharge or defrosting lines, and they have three ports, P, S1 and S2, to screw-in two or three pilot valves.

- The relations between the ports where it is possible to screw-in the pilot valves on the AM3, are following:
The pilot valves on the ports S1 & S2 are connected in series, thus the main valve will be open, if just one of the pilot valves connected is closed, and it will be open if both pilots valves are open at the same time.
The pilot valve screwed-in P, is connected in parallel with the pilot valves in ports S1 & S2, so the AM3 valve will be open if the pilot in P is open, irrespective if the S1 or S2 pilot valves, are open or closed, and the main valve will be closed if the pilot in P is closed and at least one of the pilot valves in S1 or S2, are closed at the same time.

- The degree of opening of AM3 valves is function of the differential pressure between the inlet and outlet, so if the pressure difference is $\Delta p = 0.3$ bar, the main valve will be fully open, and if it is $\Delta p = 0.2 - 0.3$ bar, the degree of opening will be correspondingly proportional to Δp .

Name	Type	Size (mm)								kv	Cv
		DN		ϕD	ϕd	A	H	L	L1		
AM3 Main Valves Type	AM3 20	3/4"	20	27	20	65	150	190	125	6	7
	AM3 25	1"	25	34	25	65	150	190	125	9	10.5
	AM3 32	1 1/4"	32	42	32	70	175	245	170	16	19
	AM3 40	1 1/2"	40	48	40	70	175	245	170	30	35
	AM3 50	2"	50	60	50	70	180	255	180	40	47
	AM3 65	2 1/2"	65	76	65	85	205	295	220	75	88
	AM3 80	3"	80	89	80	95	225	330	250	140	164
	AM3 100	4"	100	108	100	125	260	415	330	200	234
	AM3 125	5"	125	133	121	120	405	350	/	207	240
AM3 150	6"	150	159	146	150	445	445	/	354	410	

RSA

Constant Pressure Regulating RSA series



Technical parameters

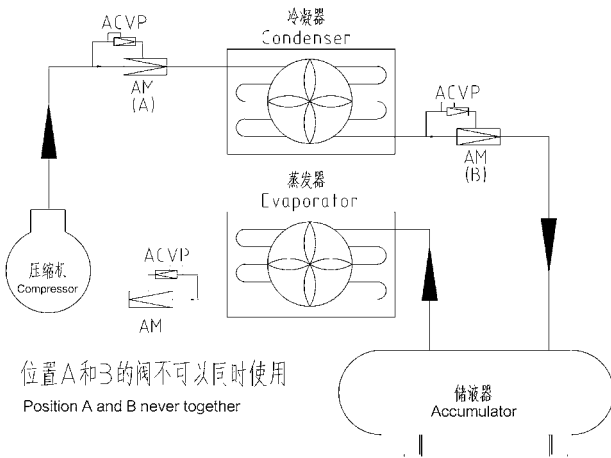
Nominal pressure: 2.8MPa	Applicable temperature: $-50^{\circ}\text{C} \sim +120^{\circ}\text{C}$
Test pressure: 4.2MPa	Applicable medium: ammonia, fluorine, propane, etc.

Characteristics

- RSA is a set make up Ofone AM1 and one regulation pilot ACVP-L for to10bar, as standard option RSA-L, with ACVP-M from -0.65 and 7 bar RSA-V type or with one ACVP-H for 4 to 25 bar, option RSA-H.
- The pressure regulators RSA type can be supplied as RSA-L, RSA-M and RSA-H options set pressure and sealed in factory

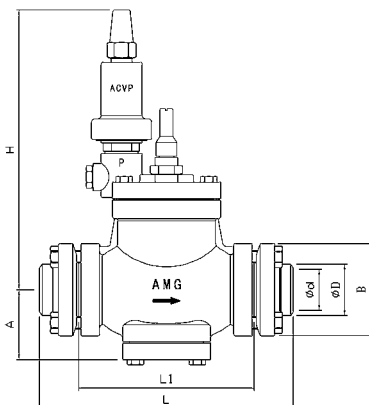
Operation

- The pressure regulators RSA type, control the inlet pressure of main valve, opening this one When the pressure exceeds the pressure setting on the control pilot, relieving so the inside pressure in the devioe to protect
- When the pilot open, the inlet fluid pass to the top of piston opening the main valve.
- The pressure regulators dose again, When the inlet pressure decreases below the pressure setting on the pilot



Applications

- The pressure regulators RSA are designed to work with ammonia and other fluorinated refrigerants, to control evaporator pressure, condensing pressure, pressure invessels or pressure in any portion of the system, keeping this one below of the pressure setting of the pilot



Name	Type	Size (mm)					
		ϕD	ϕd	A	H	L	L1
Constant Pressure Regulating Valve	RSA 20	27	20	65	250	190	125
	RSA 25	34	25	65	250	190	125
	RSA 32	42	32	70	275	245	170
	RSA 40	48	40	70	275	245	170
	RSA 50	60	50	70	280	255	180
	RSA 65	76	65	85	305	295	220
	RSA 80	89	80	95	325	330	250
	RSA 100	108	100	125	360	415	330
	RSA 125	133	121	120	415	350	/
	RSA 150	159	146	150	460	445	/



Technical parameters

Nominal pressure: 2.8MPa	Applicable temperature: -50°C ~ $+120^{\circ}\text{C}$
Test pressure: 4.2MPa	Applicable medium: ammonia, fluorine, propane, etc.

Characteristics

- RSAO, is a set make up of one AM1, and one pilot ACVC as the more simple version

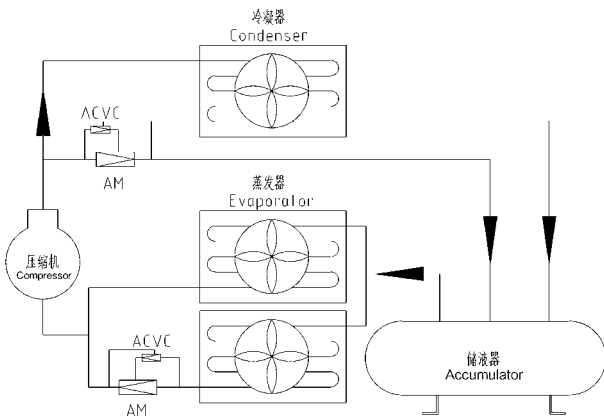
For similar applications with the same pilot ACVC is available following variations:

- RSAOE over AM1, ACVC+ External air source
- RSAOBE over AM3, ACVC+ connection with solenoid pilot
- RSAOSE over AM3, ACVC, through one solenoid NO or NC, and hot gas connection with solenoid NC type

Operation

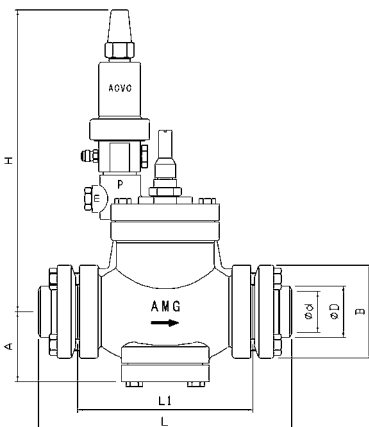
- The range of pressure regulators RSAO type, control the downstream pressure of main valve, opening this one when the outlet pressure falls below the set point of the ACVC. With the variations RSAOE, RSAOBE y RSAOSE, is possible to wide open the main valve with independence of the outlet pressure if hot gas pass to the top of piston, and the last option RSAOSE, can be totally closed if the coil of the solenoid coupled to ACVC is energized(NO)or de-nergized(NC)

The main valves close again, when the outlet pressure rises over the set point of the pilot ACVC



Applications

- The regulators RSAO are designed to work with ammonia and other fluorinated refrigerants, working to avoid the pressure downstream falls below the set point fixed, to control of condensation pressure or as starting valve or crankcase regulator to control the suction pressure.



Name	Type	Size (mm)					
		ϕD	ϕd	A	H	L	L1
RSAO Crankcase pressure regulating valve	RSAO 20	27	20	65	270	190	125
	RSAO 25	34	25	65	270	190	125
	RSAO 32	42	32	70	295	245	170
	RSAO 40	48	40	70	295	245	170
	RSAO 50	60	50	70	300	255	180
	RSAO 65	76	65	85	325	295	220
	RSAO 80	89	80	95	345	330	250
	RSAO 100	108	100	125	380	415	330
	RSAO 125	133	121	120	405	350	/
	RSAO 150	159	146	150	445	445	/



Technical parameters

Nominal pressure: 2.8MPa
Applicable temperature: -50°C ~ +120°C

Test pressure: 4.2MPa
Applicable medium: ammonia, fluorine, propane, etc.

Characteristics

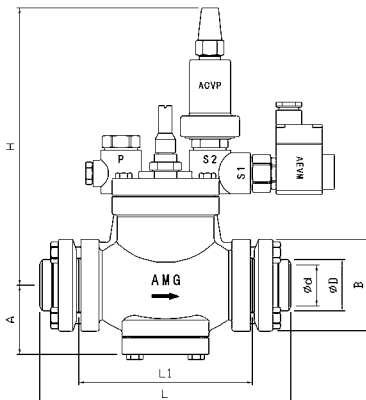
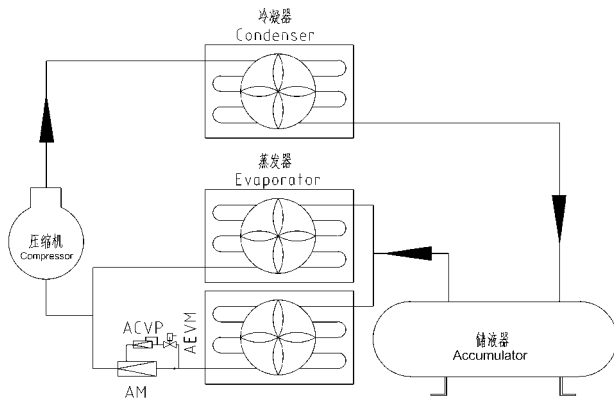
- RSAS is a set make up of one AM3 and one regulation pilot ACVP-L for 0 to 10 bar, as standard option RSAS or with one ACVP-H for 4 to 25 bar, option RSAS-H. and one solenoid pilot AEVM-NC that deactivates the ACVP when is coil is de-energized, dosing of this way the main valve
- The pressure regulators RSAS type can be supplied as RSAS-L & RSAS-H options set pressure and sealed in factory and with the solenoid AEVM-NO type, by order.

Operation

- The pressure regulators RSAS type, control the inlet pressure of main valve, as the RSA regulators, opening this one When the pressure exceeds the pressure setting on the control pilot, but only if the coil of the solenoid pilot have been energized.
- When the pilot open, the inlet fluid pass to the top of piston opening the main valve.
- The pressure regulators dose again, when the inlet pressure decreases below the pressure setting on the pilot, or the coil of solenoid pilot have been de-energized.

Applications

- The pressure regulators RSAS are designed to work with ammonia and other fluorinated refrigerants, to control temperature, opening the valve or defrost, dosing the pass of fluid through the main valve



Name	Type	Size (mm)					
		φ D	φ d	A	H	L	L1
RSAS Electromagnetic closure of pressure regulating valve	RSAS 20	27	20	65	250	190	125
	RSAS 25	34	25	65	250	190	125
	RSAS 32	42	32	70	275	245	170
	RSAS 40	48	40	70	275	245	170
	RSAS 50	60	50	70	280	255	180
	RSAS 65	76	65	85	305	295	220
	RSAS 80	89	80	95	325	330	250
	RSAS 100	108	100	125	360	415	330
	RSAS 125	133	121	120	405	350	/
	RSAS 150	159	146	150	445	445	/

RSAB

Pressure Regulators & Electric Shut-Off RSAB series



Technical parameters

Nominal pressure: 2.8MPa Applicable temperature: $-50^{\circ}\text{C} \sim +120^{\circ}\text{C}$

Test pressure: 4.2MPa Applicable medium: ammonia, fluorine, propane, etc.

Characteristics

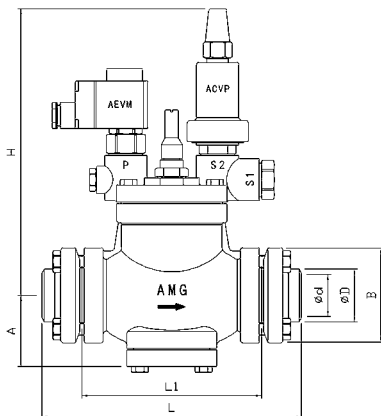
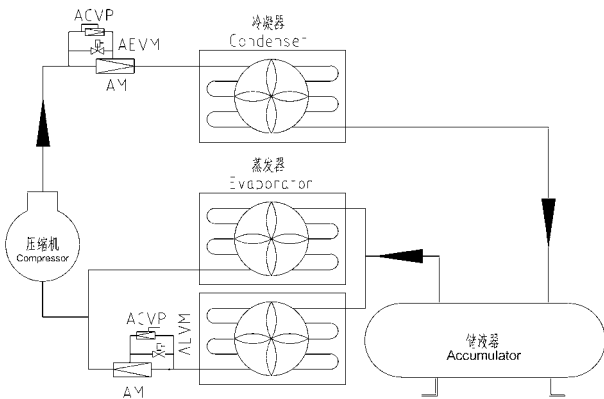
- RSAB is a set make up of one AM3 and one regulation pilot ACVP-L for 0 to 10 bar, as standard option RSAB or with one ACVP-H for 4 to 25 bar, option RSAB-H. and one solenoid pilot AEVM-NC, that when its coil is energized, the main valve is wide open.
- The pressure regulators RSAB type can be supplied as RSAB-L & RSAB-H options set pressure and sealed in factory

Operation

- The pressure regulators RSAB type, control the inlet pressure of main valve, as the RSA regulators, opening this one when the pressure exceeds the pressure setting on the control pilot, but if the coil of the solenoid pilot have been energized the main valve will be wide open, with independence of the inlet pressure.
- When the pilot open, or the solenoid is energized the inlet fluid pass to the top of piston, opening the main valve.
- The main valves close again, when the inlet pressure decreases below the pressure setting of the pilot, or the coil of solenoid pilot have been de-energized

Applications

- The regulators RSAB are designed to work with ammonia and other fluorinated refrigerants, to defrost and temperature control, with wide open possibility for maximum cooling



Name	Type	Size (mm)					
		φ D	φ d	A	H	L	L1
Pressure regulation & solenoid shutoff valve	RSAB 20	27	20	65	280	190	125
	RSAB 25	34	25	65	280	190	125
	RSAB 32	42	32	70	305	245	170
	RSAB 40	48	40	70	305	245	170
	RSAB 50	60	50	70	310	255	180
	RSAB 65	76	65	85	335	295	220
	RSAB 80	89	80	95	355	330	250
	RSAB 100	108	100	125	390	415	330
	RSAB 125	133	121	120	405	350	/
	RSAB 150	159	146	150	445	445	/

RSAL

Differential Pressure Regulators RSALseries



Technical parameters

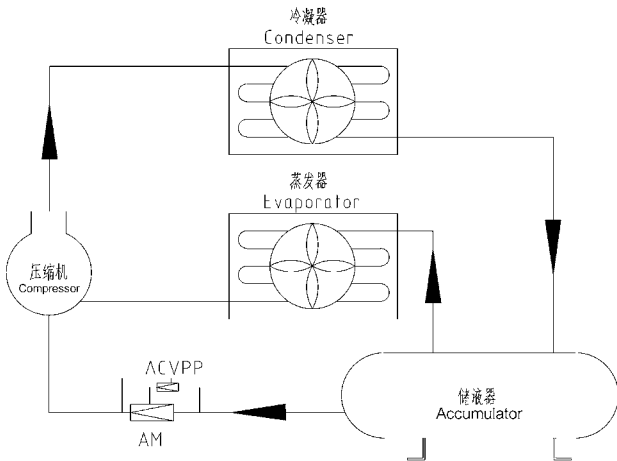
Nominal pressure: 2.8MPa
 Test pressure: 4.2MPa
 Applicable temperature: -50°C ~120°C
 Applicable medium: ammonia, fluorine, propane, etc.

Characteristics

- RSALi s a set make up of one AM1 and one regulation pilot ACVPP. For similar application is available to supply the regulator RSALE, with one external hot gas connection controlled by mean of a solenoid pilot NC type

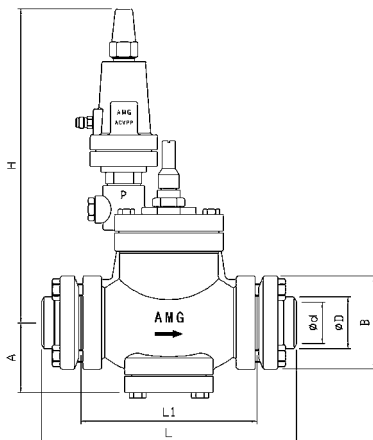
Operation

- The pressure regulators RSAL type, maintain the differential pressure between inlet and outlet pressures of the main valve, modulating, is to say, opening and cosing the valve, if the difference between inlet and outlet pressure, rise or fall with regard to the set point.
- The variant RSALE allow to open the main valve thanks to the supply of hot gas, with independence of the differential pressure between inlet and outlet pressure of the main valve



Applications

- The regulators RSAL are designed to work with ammonia and other fluorinated refrigerants and commonly used as liquid pumps relief, and other applications to control the pressure differences, for ex. Between suction and discharge in compressors, condenser and receiver pressure... etc



Name	Type	Size (mm)					
		φ D	φ d	A	H	L	L1
RSAL Differential Pressure Regulating Valve	RSAL 20	27	20	65	280	190	125
	RSAL 25	34	25	65	280	190	125
	RSAL 32	42	32	70	305	245	170
	RSAL 40	48	40	70	305	245	170
	RSAL 50	60	50	70	310	255	180
	RSAL 65	76	65	85	335	295	220
	RSAL 80	89	80	95	355	330	250
	RSAL 100	108	100	125	390	415	330
	RSAL 125	133	121	120	405	350	/
	RSAL 150	159	146	150	445	445	/

RSABL

Differential Pressure Regulators & Electric Shut-off RSABL series



Technical parameters

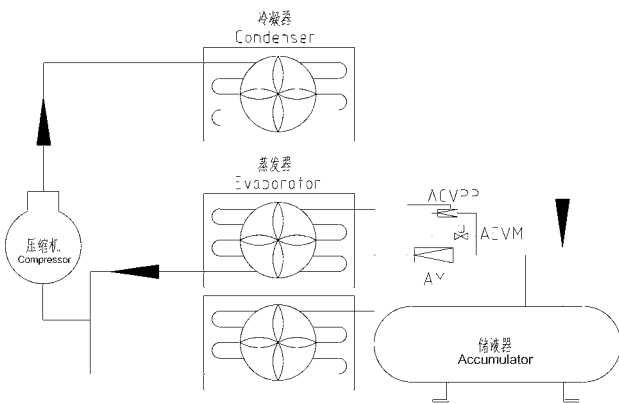
Nominal pressure: 2.8MPa
 Applicable temperature: $-50^{\circ}\text{C} \sim +120^{\circ}\text{C}$
 Set pressure: 4.2MPa
 Applicable medium: ammonia, fluorine, propane, etc.

Characteristics

- RSABL is a set make up of one AM3 and one differential regulation pilot ACVPP and one solenoid pilot AEVM—NC.
- It can supply rsable differential pressure regulating valve, its solenoid valve and external hot gas Injection connection to make the main valve fully open.

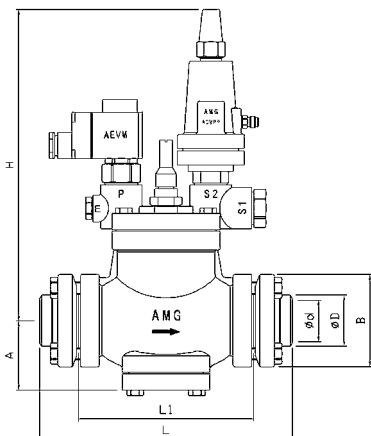
Operation

- The pressure regulators RSABL type, maintain the differential pressure between inlet and outlet of the main valve, modulating, is to say, opening and closing the valve, if this difference inlet and outlet pressure, rise or fall with regard to the set point.
- When the solenoid pilot is energized, the inlet fluid pass to the top of piston, opening the main valve, with independence of the differential pressure between inlet/outlet
- The main valves close again, When the differential pressure inlet/outlet decreases below the pressure setting of the ACVPP or the coil of solenoid pilot have been de-energized



Applications

- The regulators RSABL are designed to work with ammonia and other fluorinated refrigerants, to defrost with the solenoid pilot energized, and to maintain a differential of pressure between two points of the line, to avoid for ex. the backward step of condensed and hot gas.



Name	Type	Size (mm)					
		ϕD	ϕd	A	H	L	L1
RSABL Differential pressure regulating & solenoid shut-off valve	RSABL 20	27	20	65	280	190	125
	RSABL 25	34	25	65	280	190	125
	RSABL 32	42	32	70	305	245	170
	RSABL 40	48	40	70	305	245	170
	RSABL 50	60	50	70	310	255	180
	RSABL 65	76	65	85	335	295	220
	RSABL 80	89	80	95	355	330	250
	RSABL 100	108	100	125	390	415	330
	RSABL 125	133	121	120	405	350	/
RSABL 150	159	146	150	445	445	/	



Technical parameters

Nominal pressure: 2.8MPa
 Test pressure: 4.2MPa
 Applicable temperature: -50°C ~+120°C
 Applicable medium: ammonia, fluorine, propane, etc.

Characteristics

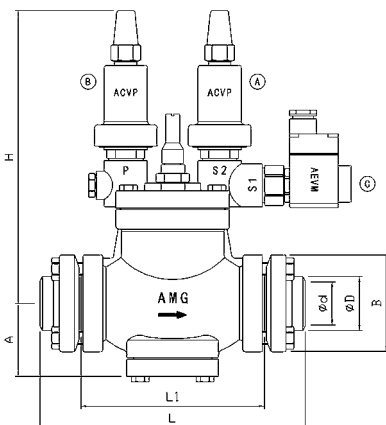
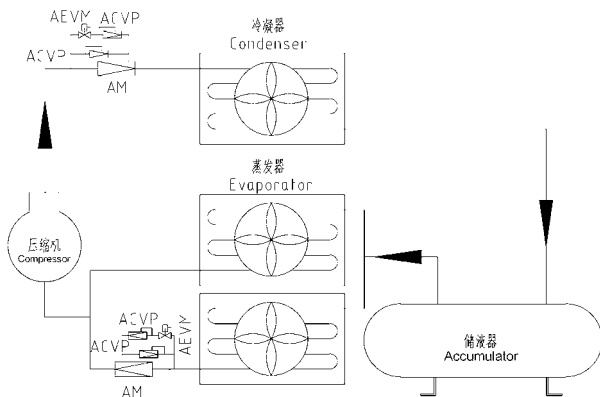
- RSAD is a set make up of one AM3 and two regulation pilots ACVP-L for 0 to 10 bar , as standard option RSAD or with two ACVP-H for 4 to 25 bar , option RSAD-H. or finally with one solenoid pilot ACVP-L and other ACVP-H , version RSAD-LH.The pilots must be set to different pressures , and the pilot with below set pressure will be control with a solenoid pilot AEVM-NC or AEVM-NO by Order.
- The pressure regulators RSAD type can be supplied as RSADK options set pressure and sealed in factory

Operation

- The pressure regulators RSAD type , control the inlet pressure of the main valve , as two RSA regulators with two differents set pressure everyone , opening this one when the inlet pressure exceeds the pressure setting on the control pilot with lower set pressure. if the coil of the solenoid pilot have been energized (AEVM-NC)or de-energized(AEVM—NO optiori).
- When the pilot in function open the inet fluid pass to the top of piston , opening the main valve.

Applications

- The regulators RSAD are designed to work with ammonia and other fluorinated refrigerants , to control of the defrost pressure pilot(B), control of condensation pressure , pilot(A), or control of evaporation pressure , with two possibilities according to the pilot in service



Name	Type	Size (mm)					
		φ D	φ d	A	H	L	L1
RSAD Two-stage pressure regulating valve	RSAD 20	27	20	65	250	190	125
	RSAD 25	34	25	65	250	190	125
	RSAD 32	42	32	70	275	245	170
	RSAD 40	48	40	70	275	245	170
	RSAD 50	60	50	70	280	255	180
	RSAD 65	76	65	85	305	295	220
	RSAD 80	89	80	95	325	330	250
	RSAD 100	108	100	125	360	415	330
	RSAD 125	133	121	120	405	350	/
	RSAD 150	159	146	150	445	445	/

RSABSEU

Pressure Regulators & Gas Powered Valves RSABSEU series

Technical parameters

Nominal pressure: 2.8MPa

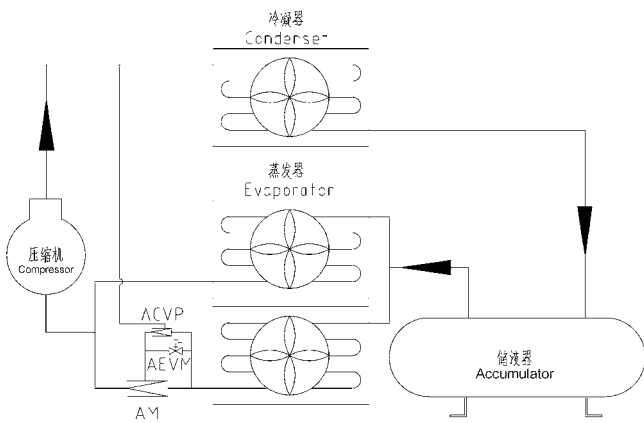
Applicable temperature: $-50^{\circ}\text{C} \sim +120^{\circ}\text{C}$

Test pressure: 4.2MPa

Applicable medium: ammonia, fluorine, propane, etc.

Characteristics

1. RSABSEU is a set make up of one AM3 and two pilot sets 1-one regulation pilot ACVP-L for 0 to 10 bar, as standard option RSA8SEU, or with one ACVP-H for 4 to 25 bar option RSABSEU-H, and with both options one solenoid pilot AEVM-NC or NO, that allow to work or not the regulator pilot when its coil is energized. The pressure regulators can be supplied as RSABSEU—K & RSABSEU-KH options, set pressure and sealed in factory
2. An external interface is controlled by the electromagnetic pilot valve aevm-nc to provide external hot gas.

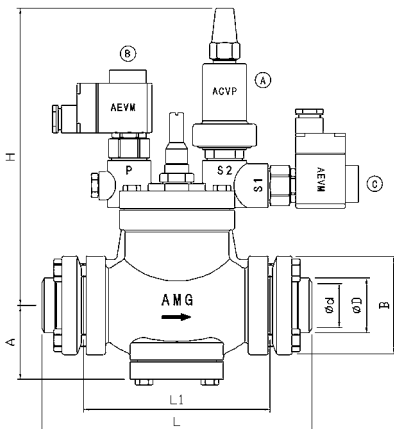


Operation

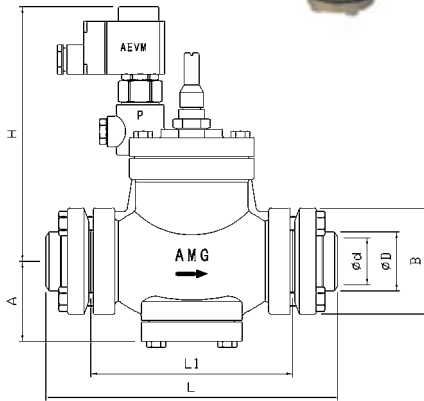
- The pressure regulators RSABSEU type, control the inlet pressure of main valve, opening this one When the pressure exceeds the pressure setting this on the control pilot. If the solenoid pilot(C)is NO type, with only one signal ipossible to take out the regulation pilot and open the solenoid (B)to allow the pass of hot gas, to the top of piston, opening the main valve. with independence of the inlet pressure.
- The main vales close again, wher the inlet pressure decreases below the pressure setting of the pilot, or the coil of solenoid pilot have been energized/de-energized.

Applications

- The regulators RSABSEU are dessigned to work with ammonia and other fluorinated refrigerants, to defrost and temperature control, with wide open possibility for maximum cooling.



Name	Type	Size (mm)					
		ϕD	ϕd	A	H	L	L1
RSABSEU	RSABSEU 20	27	20	65	250	190	125
	RSABSEU 25	34	25	65	250	190	125
	RSABSEU 32	42	32	70	275	245	170
	RSABSEU 40	48	40	70	275	245	170
	RSABSEU 50	60	50	70	280	255	180
Pressure regulator & pneumatic control valve	RSABSEU 65	76	65	85	305	295	220
	RSABSEU 80	89	80	95	325	330	250
	RSABSEU 100	108	100	125	360	415	330
	RSABSEU 125	133	121	120	405	350	/
	RSABSEU 150	159	146	150	445	445	/



Technical parameters

Nominal pressure: 2.8MPa

Applicable temperature: -50°C \sim $+120^{\circ}\text{C}$

Test pressure: 4.2MPa

Applicable medium: ammonia, fluorine, propane, etc.

Characteristics

- VMP are solenoid servo-operated piston valves, suitable for ammonia and other common fluorinated refrigerants
- The valves are designed to be mounted between flanges, welded or brazed them to steel or copper pipes.
- The valves are normally closed with currentless coil, and they open when the coil is powered
- The degree of opening of VMP valves is function of the differential pressure between the inlet and outlet, so if the pressure difference is $\Delta p = 0.3$ bar, the main valve will be fully open, and if it is $\Delta p = 0.2 \sim 0.3$ bar, the degree of opening will be correspondingly proportional to Δp .
- Prepared with hand manual emergency stem
- The standard coil NC type, AC 220V-50/60Hz 10W and MOPD up to 21 Bar, are supplied encapsulated and with DIN 43650 connector.

Name	Type	Size (mm)								kv	Cv
		DN		ϕD	ϕd	A	H	L	L1		
VMP Solenoid Valve	VMP 10	3/8"	10	14	10	43	171	160	100	2,6	3
	VMP 15	1/2"	15	21	15	43	171	160	100	3,8	4,4
	VMP 20	3/4"	20	27	20	65	190	190	125	6	7
	VMP 25	1 1/2"	25	34	25	65	190	190	125	9	10.5
	VMP 32	1 1/4"	32	42	32	70	215	245	170	16	19
	VMP 40	1 1/2"	40	48	40	70	215	245	170	30	35
	VMP 50	2"	50	60	50	70	220	255	180	40	47
	VMP 65	2"	65	76	65	85	245	295	220	75	88
	VMP 80	3"	80	89	80	95	265	330	250	140	164
	VMP 100	4"	100	108	100	125	300	415	330	200	234
	VMP 125	5"	125	133	121	120	405	350	/	207	240
	VMP 150	6"	150	159	146	150	445	445	/	354	410

AMLX

Two step opening defrosting solenoid valve AMLX series



Technical parameters

Nominal pressure: 2.8MPa

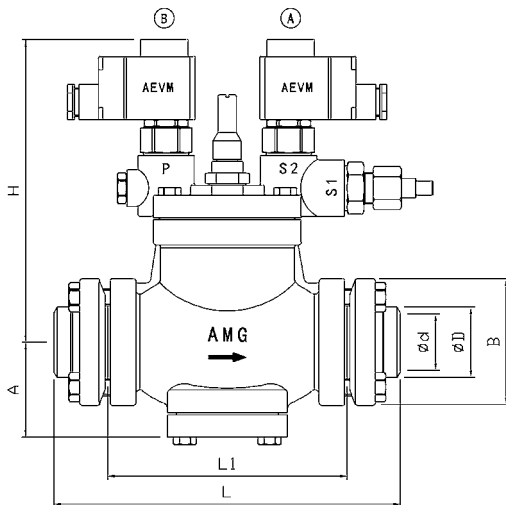
Applicable temperature: -50°C ~+120°C

Test pressure: 4.2MPa

Applicable medium: ammonia, fluorine, propane, etc.

Characteristics

- AMLX are two steps servo-operated valves normally closed and pneumatic opening by means of hot gas form external acting upon power piston , the two steps of opening are following.
 - 1-Step one the valve opens approxl 10% of the total when the coils of the pilots are powered
 - 2-Step two the valve opens automatically 100% when the differential pressure across the valve reaches 1-1.5 bar



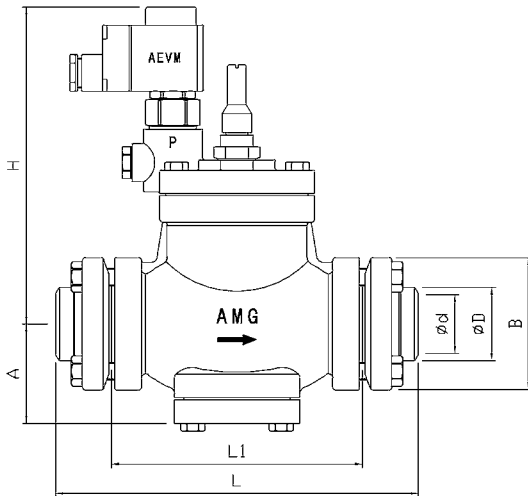
As the AML valves On the bonnet of the AMLX are fitted one External interface , nut & nipple connection to gas inlet , and two solenoid pilot AEVM type , one AEVM-NC , (nomally closed pilot) on A , and one AEVM-NO , (nomally open pilot)on B

- The solenoid A shut-off and opening the flow of gas to the top piston camera , to close or open the main valve , but the solenoid B has to be opened to relieve this gas of the Camera to allow closed again the main valve when the pilot A is closed
- AMLX valves are designed to use with ammonia and other common fluorinated refrigerants , for use in suction lines opening against very high differential pressure and for any application that need automatical shut-off valve to working with a external line pressure equal or less than inlet pressure of the valve

Name	Type	Size (mm)								kv	Cv
		DN	φ D	φ d	A	H	L	L1			
Two step opening defrosting solenoid valve	AMLX 25	1"	25	34	25	65	190	190	125	9	10.5
	AMLX 32	1 ¼"	32	42	32	70	215	245	170	16	19
	AMLX 40	1 ½"	40	48	40	70	215	245	170	30	35
	AMLX 50	2"	50	60	50	70	220	255	180	40	47
	AMLX 65	2 ½"	65	76	65	85	245	295	220	75	88
	AMLX 80	3"	80	89	80	95	265	330	250	140	164
	AMLX 100	4"	100	108	100	125	300	415	330	200	234
	AMLX 125	5"	125	133	121	120	405	350	/	207	240
AMLX 150	6"	150	159	146	150	445	445	/	354	410	

RACK

Gas Powered Stop Valves, Normally Closed Type RACK series



Technical parameters

Nominal pressure: 2.8MPa

Applicable temperature: -50°C ~+120°C

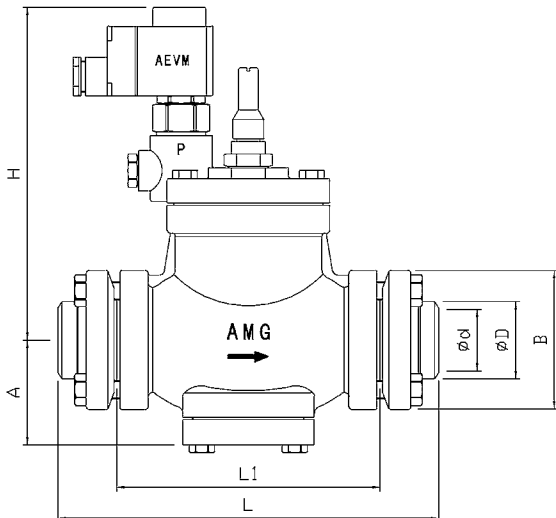
Test pressure: 4.2MPa

Applicable medium: ammonia, fluorine, propane, etc.

Characteristics

- RACK are servo-operated valves normally closed and pneumatic open by means of refrigerant gas of high pressure acting upon power piston, taken from external high pressure line through the nipple set External interface, AEVM-NC or NO fitted both on the valve bonnet.
- RACK valves are designed to use with ammonia and other common fluorinated refrigerants, for use in suction lines of low temperature in direct expansion or pump recirculation, defrost systems with hot gas and any application that need a valve normally closed with automatic opening for not long.
- RACK valves can operate with $\Delta p=0$ and they must be installed in horizontal position, with the piston and pilot working in vertical way.
- When the valve are closing, there is a bleed of gas through a small bore but only to close the valve when the hot gas stream is finished.
- The external line to supply of high pressure gas must be External interface 1/4", to weld SW on ACPE connection.

Name	Type	Size(mm)								kv	Cv
		DN	DN	ϕD	ϕd	A	H	L	L1		
RACK Normally closed pneumatic stop valve	RACK 25	1"	25	34	25	65	190	190	125	9	10.5
	RACK 32	1½"	32	42	32	70	215	245	170	16	19
	RACK 40	1½"	40	48	40	70	215	245	170	30	35
	RACK 50	2"	50	60	50	70	220	255	180	40	47
	RACK 65	2½"	65	76	65	85	245	295	220	75	88
	RACK 80	3"	80	89	80	95	265	330	250	140	164
	RACK 100	4"	100	108	100	125	300	415	330	200	234
	RACK 125	5"	125	133	121	120	300	405	/	207	240
	RACK 150	6"	150	159	146	150	300	445	/	354	410



Technical parameters

Nominal pressure: 2.8MPa	Applicable temperature: -50°C ~+120°C
Test pressure: 4.2MPa	Applicable medium: ammonia, fluorine, propane, etc.

Characteristics

- RAK-W are servo-operated valves normally open and pneumatic closed, by means of refrigerant gas acting upon power piston, taken from external high pressure line through a solenoid pilot AEVM type, mounted on the bonnet
- RAK-W valves are designed to use with ammonia and other common fluorinated refrigerants, for use in suction lines or any application that need a valve normally open with automatic closing for brief periods.
- RAK-W valves can operate with $\Delta p=0$ and in any position, but when the valve are closed or opening, there is a bleed of gas around the piston and a small bore to allow open the valve when the high pressure gas stream is closed. Nevertheless, if this small bleed cannot occurs and you need a valve without bleed around the piston, you must use our RACK normally closed valve, or the option RAK-2WS type, but with this last type you need to include two solenoid pilots, one to shut of the hot gas inlet flow, and the second one to empty the camera over the piston, and to avoid open again the valve.
- The inlet of hot gas to solenoid pilot is through a nut & nipple connection of 3/8" brazed or welded to nipple.

Name	Type	Size (mm)								kv	Cv
		DN	ϕD	ϕd	A	H	L	L1			
RAK-W Pneumatic stop valve	RAK-W 25	1"	25	34	25	65	190	190	125	9	10.5
	RAK-W 32	1 1/4"	32	42	32	70	215	245	170	16	19
	RAK-W 40	1 1/2"	40	48	40	70	215	245	170	30	35
	RAK-W 50	2"	50	60	50	70	220	255	180	40	47
	RAK-W 65	2 1/2"	65	76	65	85	245	295	220	75	88
	RAK-W 80	3"	80	89	80	95	265	330	250	140	164
	RAK-W 100	4"	100	108	100	125	300	415	330	200	234
	RAK-W 125	5"	125	133	121	120	405	350	/	207	240
RAK-W 150	6"	150	159	146	150	445	445	/	354	410	

QDJ421F28-W

Emergency shut-off valve QDJ421F28-W series



Technical parameters

Nominal pressure: 2.8MPa

Applicable temperature: -50°C \rightarrow $+120^{\circ}\text{C}$

Test pressure: 4.2MPa

Applicable medium: ammonia, fluorine, propane, etc.

Characteristics

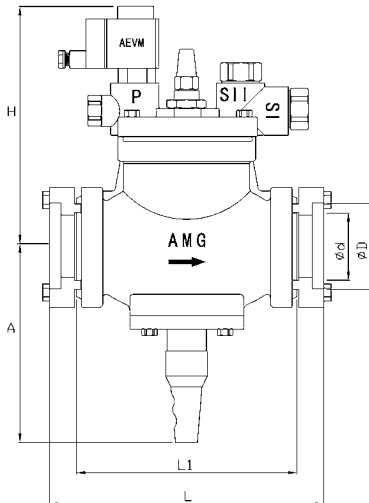
- QDJ421F28-W is a single-step open type emergency shut-off valve with a main valve AM3 and a solenoid pilot valve AEVM (NC).
- With manual closing and manual opening function

Operation

The inlet medium enters the solenoid valve from the internal channel, after the solenoid valve coil is powered, the medium enters the top of the upper piston, pushing the piston to move downward and the valve opens. When the emergency, cut off the power to the solenoid valve coil to close the pilot valve, the piston moves upward under the action of spring force to close the valve, quickly cut off the flow of media inside the pipeline.

Applications

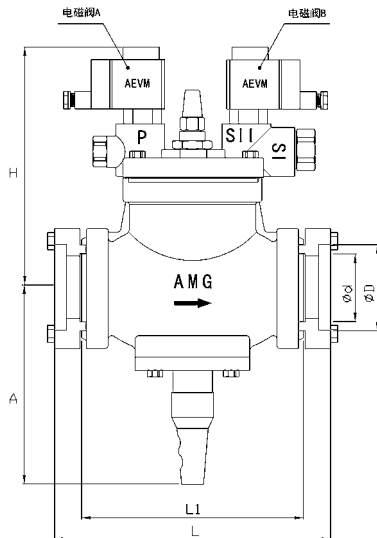
- It is mainly used in hot gas pipeline of hot gas melting and compressor exhaust pipeline. It is operated by PLC or remote control to control the power of the solenoid valve coil and make the main valve close. Thus it can quickly cut off the flow of media in the pipeline. For safety protection in case of emergency.



Name	Type	Size (mm)					
		ϕD	ϕd	A	H	L	L1
QDJ421F28-W	QDJ421F28-W-20	27	20	255	245	190	125
	QDJ421F28-W-25	34	25	255	245	190	125
	QDJ421F28-W-32	42	32	295	285	245	170
	QDJ421F28-W-40	48	40	295	285	245	170
	QDJ421F28-W-50	60	50	318	308	255	180
	QDJ421F28-W-65	76	65	333	328	295	220
	QDJ421F28-W-80	89	80	383	351	330	250
	QDJ421F28-W-100	108	100	413	382	415	330

QDJ421F28-2W

Two step open emergency shut-off valve QDJ421F28-2W series



Technical parameters

Nominal pressure: 2.8MPa

Applicable temperature: -50°C $+120^{\circ}\text{C}$

Test pressure: 4.2MPa

Applicable medium: ammonia, fluorine, propane, etc.

Characteristics

■ QDJ421F28-2W is a two-step open emergency shut-off valve with a main valve AM3 + piston assembly and two solenoid-guided AEVM(NC).

■ With manual off and manual on functions.

Operation

- First open the A solenoid pilot valve, the medium enters the top of the upper piston, push the piston and drive the lower piston downward, the valve opens about 10% (in the high-pressure liquid pipeline to play a buffer to balance the internal pressure, to prevent the valve from opening when the liquid inside the valve body to produce liquid shock and reduce the instantaneous vibration of the pipeline when opened).
- B solenoid pilot valve delayed opening, the medium into the top of the lower piston, continue to push the lower piston down to move to the valve fully open. When encountering an emergency, while cutting off the AB solenoid valve power, the piston under the action of spring force, the lower piston moves up to the lower part of the upper piston, and drive the upper piston to move up to close the valve.

Applications

Mainly used in high pressure storage tank outlet pipeline, PLC or remote control operation to control the power of solenoid pilot valve coil to close the main valve, so as to quickly cut off the flow of media in the pipeline. It can be used for safety protection in case of emergency.

Name	Type	Size (mm)					
		ϕD	ϕd	A	H	L	L1
QDJ421F28-2W	QDJ421F28-2W-20	27	20	255	245	190	125
	QDJ421F28-2W-25	34	25	255	245	190	125
	QDJ421F28-2W-32	42	32	295	285	245	170
	QDJ421F28-2W-40	48	40	295	285	245	170
	QDJ421F28-2W-50	60	50	318	308	255	180
	QDJ421F28-2W-65	76	65	333	328	295	220
	QDJ421F28-2W-80	89	80	383	351	330	250
	QDJ421F28-2W-100	108	100	413	382	415	330

RSALA

Pressure Regulators & Gas Powered Valves RSALA series

Technical parameters

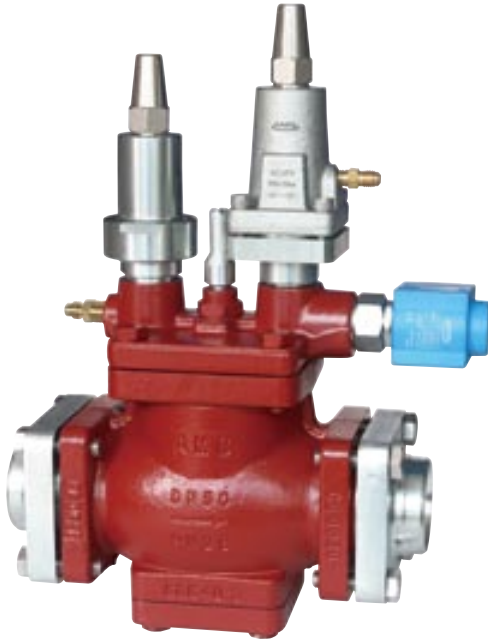
Nominal pressure: 2.8MPa

Applicable temperature: $-50^{\circ}\text{C} \sim$

Test pressure: 4.2MPa

$+120^{\circ}\text{C}$

Applicable medium: ammonia, fluorine, propane, etc.



Characteristics

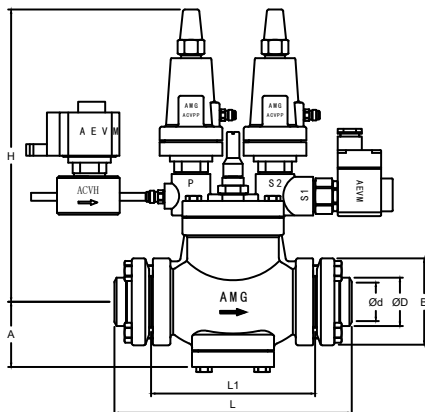
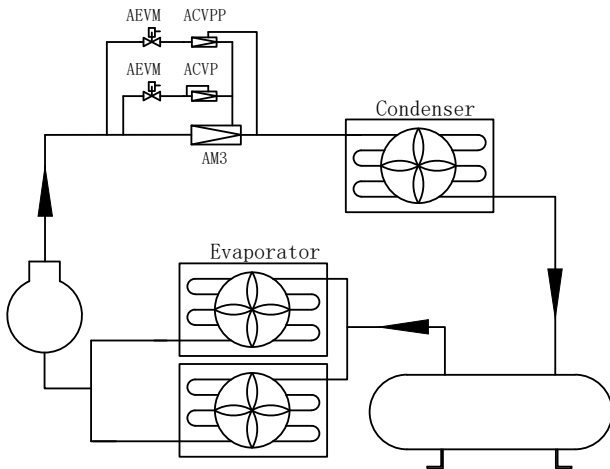
- RSALA combined valve: It has a main valve, a constant pressure pilot valve, and a differential pressure pilot valve. And two electromagnetic pilot valves. It mainly controls the inlet pressure of the main valve. The pilot valve has two combinations: high pressure type (ACVP-HP) 4-25 bar and differential pressure type (ACVPP) 0-10 bar. RSALA Group
The closing valve is mainly used to control the condensation pressure and the pressure difference when the evaporator defrosts with hot gas.

Operation

- RSALA combined valve can control the pressure in front of the valve and the pressure difference between the front and rear of the valve, and can achieve a constant pressure valve And differential pressure valve functions, but these two functions can only be used interchangeably. Main valve interface SI is equipped with electromagnetic pilot valve AEVM (NC), and main valve interface SII is equipped with differential pressure pilot valve ACVPP, main valve interface P, installed with constant pressure pilot valve ACVP, external interface connected to ACVH valve seat And electromagnetic pilot valve AEVM (NC).
1: Solenoid valve A is closed and solenoid valve B is opened. Differential pressure valve operation
2: Solenoid valve A is opened and solenoid valve B is closed. Constant pressure valve operation

Applications

- The pressure regulating combination valve RAS+RSAL is designed for ammonia and other Freon refrigerants. Used on the hot gas defrosting pipeline of a screw compressor unit, it can achieve a constant pressure function during refrigeration and a differential pressure function during defrosting open possibility for maximum cooling.



Name	Type	Size (mm)					
		ϕD	ϕd	A	H	L	L1
RSALA Combination valve	RSALA 20	27	20	65	250	190	125
	RSALA 25	34	25	65	250	190	125
	RSALA 32	42	32	70	275	245	170
	RSALA 40	48	40	70	275	245	170
	RSALA 50	60	50	70	280	255	180
	RSALA 65	76	65	85	305	295	220
	RSALA 80	89	80	95	325	330	250
	RSALA 100	108	100	125	360	415	330
	RSALA 125	133	121	120	405	350	/
RSALA 150	159	146	150	445	445	/	

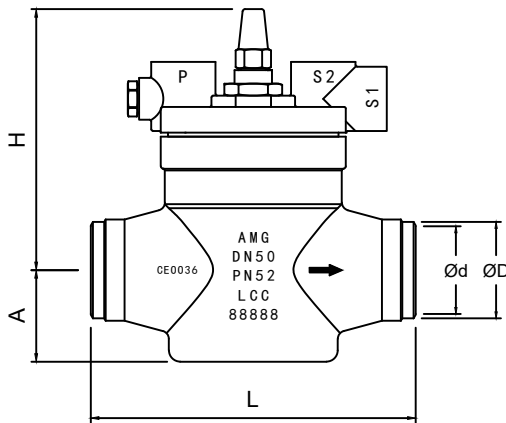
Technical parameters

Nominal pressure: 5.2MPa	Applicable temperature: -50°C ~+120°C
Test pressure: 7.8MPa	Applicable medium: ammonia, fluorine, propane, etc.















Characteristics

- Flow regulating valves, servo-operated by different pilot valves screwed-in the main valve or mounted in an external pilot line.
- The AICS3 are designed to use with ammonia and other common fluorinated refrigerants, for liquid, suction, discharge or defrosting lines, and they have three ports, P,S1 and S2, to screw-in two or three pilot valves.
- The relations between the ports where it is possible to screw-in the pilot valves on the AICS3, are following:
The pilot valves on the ports S1 & S2 are connected in series, thus the main valve will be open, if just one of the pilot valves connected is closed, and it will be open if both pilots valves are open at the same time.
The pilot valve screwed-in P, is connected in parallel with the pilot valves in ports S1 & S2, so the AICS3 valve will be open if the pilot in P is open, irrespective if the S1 or S2 pilot valves, are open or closed, and the main valve will be closed if the pilot in P is closed and at least one of the pilot valves in S1 or S2, are closed at the same time.
- The degree of opening of AICS3 valves is function of the differential pressure between the inlet and outlet, so if the pressure difference is $\Delta p = 0.3$ bar, the main valve will be fully open, and if it is $\Delta p = 0.2 - 0.3$ bar, the degree of opening will be correspondingly proportional to Δp .



Name	Type	Size (mm)							kv	Cv
		DN	ϕD	ϕd	A	H	L			
AICS3 Main Valves Type	AICS3 20	3/4"	20	27	20	35	140	190	8	9.3
	AICS3 25	1"	25	34	25	35	140	190	11.5	11.3
	AICS3 32	1 1/4"	32	42	32	49	150	245	17	20
	AICS3 40	1 1/2"	40	48	40	49	150	245	27	31
	AICS3 50	2"	50	60	50	57	170	255	44	51
	AICS3 65	2 1/2"	65	76	65	65	195	295	70	81
	AICS3 80	3"	80	89	80	65	195	330	85	98
	AICS3 100	4"	100	108	100	105	380	415	142	165
	AICS3 125	5"	125	133	121	120	410	415	207	240
AICS3 150	6"	150	159	146	150	450	415	354	410	

Types of combinations	Appearance	Model	Function	Action work	Applications
Constant pressure control valves		AICS3+ACVP DN25-150	Inlet pressure control	Inlet pressure above On at setpoint	Inlet pressure control Condensation pressure control
With forced closure Functional control valves		AICS3+ACVP+AEVM DN25-150	Inlet pressure control and closing adjustment	Adjustment when powered Full on in case of power failure	Temperature control on Off when defrosting
with forced full opening Functional control valves		AICS3+ACVP+AEVM DN25-150	Inlet pressure control and open adjustment	Adjustment in case of power failure Fully open when powered	Adjustment during temperature control Frost control
Outlet pressure regulating valves		AICS3+ACVC DN25-150	Outlet pressure control	Outlet pressure setting Open when outlet pressure drops	Crankcase pressure adjustment Hot air bypass Reservoir pressure control
Differential pressure control valves		AICS3+CVPP DN25-150	Maintain set differential pressure	Adjusting the pressure differential when it falls below the set value	Supply pump pressure relief regulation Differential pressure between condenser and reservoir
Hot gas frosting Solenoid pressure differential valves		AICS3+ACVPP(HP) +AEVM DN20-150	Maintain set differential pressure Forced full opening function	Cooling when powered Frosting in case of power failure	Hot air melts frost Internal pressure relief

Types of combinations	Appearance	Model	Function	Action work	Applications
Two-stage pressure Regulating valves		AICS3+ACVP+ACVP DN25-150	Dual pressure control Regulating valves	Low voltage regulation when power is applied, high voltage regulation when power is lost	High pressure defrost Internal pressure relief
Solenoid valves		AICS3+AEVM DN25-150	Full opening of the system piping or close	Fully open when power is applied, closed when power is lost	Suction line Liquid lines Hot air defrost
Two steps to open Solenoid valves		AICLX DN32-150	Two-step opening	The first step of the coil is powered on 10%, the second step is fully open after voltage stabilisation	Frost return line and External line pressure less than Still required at inlet pressure Automatic closure of premises
Normally open type Pneumatic shut-off valves		AIK-W DN32-150	Normally open pneumatic valves	Turn off when power is applied	The return air line and the need for short term closure of premises
Normally closed type Pneumatic shut-off valves		AICK DN32-150	Normally closed pneumatic valves	Fully open when powered	Hot air frosting, liquid pump circulation and applications where automatic opening is required for short periods of time
Constant pressure & differential pressure Combination valves		AICS3+ACVP+AEVM +ACVPP+AEVM DN20-150	Inbound pressure regulating valve	The A coil is energised to enable the constant voltage function, the B coil is energised to activate the differential pressure function	Condensation pressure control Hot air melts frost

These are the usual configurations of pressure regulating valves, please contact AMG if you require other combinations.

Technical parameters

Suitable media: Suitable for all general purpose refrigerants and non-corrosive gases and liquids, including ammonia (R717), fluorine, carbon dioxide and propane, propylene, etc., subject to compatibility of sealing materials.
 Applicable temperature: -50°C to +150°C.
 Maximum working pressure: 52 bar (754 psig)



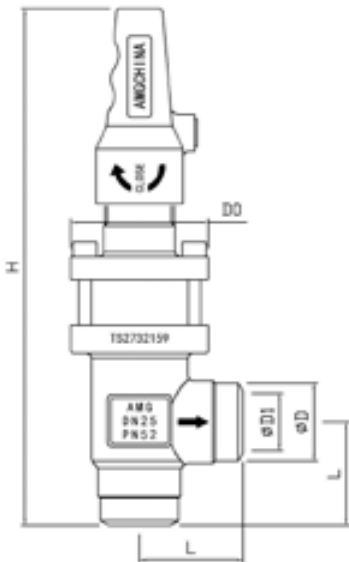
Characteristics

The FOV relief valve is a valve specifically designed to prevent system oscillations caused by low flow rates or low density. It can be used in applications where the cooling capacity varies considerably, to control the pressure during defrosting and to open the valve when the set value is reached. The spring pressure can be adjusted manually by adjusting the valve stem clockwise and the valve can be adjusted to close the valve until the spring locks.

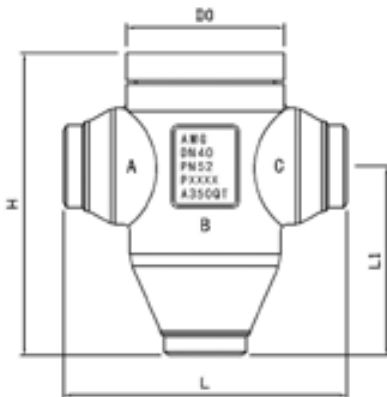
The FOV is a right angle relief valve with adjustable opening pressure and three functions: relief valve, check valve and shut-off valve.

The valve can be closed manually. A back-closing function allows the stem seal to be replaced under pressure. High-precision O-rings guarantee a perfect seal.

The set pressure is the pressure at which the valve starts to open and can be adjusted within a differential pressure range of 2 to 8 bar.



Name	Type	Size (mm)				
		φ D	φ D1	L	D0	H
FOV Relief valve	FOV 20-D	27	20	45	□ 60	225
	FOV 25-D	32	25	45	□ 60	225
	FOV 32-D	38	32	55	□ 70	295
	FOV 40-D	45	40	55	□ 70	295



Technical parameters

Minimum operating temperature: $\geq -10^{\circ} \text{C}$

Continuous operating temperature: $\leq +85^{\circ} \text{C}$

Short-time operating temperature: $\leq +120^{\circ} \text{C}$

Max. working pressure: 52 bar

Oil.

Suitable for all types of general purpose refrigeration oils.

Refrigerants.

Suitable for all universal refrigerants and non-corrosive gases and liquids including ammonia (R717), fluorine, carbon dioxide, propane, propylene, etc., subject to compatibility of sealing materials.

Please contact AMG for further information.

Characteristics

- - Optimised fluid design.
- High resistance to vibration and shock.
- Stainless steel thermostatic control elements.
- No need for manual adjustment devices.
- Easy to maintain and disassemble.
- Available with both butt weld and plug weld connections.

The ROV oil temperature control valve is a constant temperature three-way valve that maintains the oil temperature of the compressor at a constant temperature by mixing hot and cold oil in the lubricating oil system of a screw unit or centrifuge. The ROV oil temperature control valve has a small number of components and an extended cylindrical connection, which ensures easy installation and maintenance.

The valve body has three connections in the shape of a "T" with three letters indicating the flow of the medium in each connection:

B - high oil temperature inlet C - low oil temperature inlet A - outlet towards the compressor (mixed oil outlet)

The standard thermostatic control element is built in for a nominal temperature of 49°C , but we can also offer two other nominal temperatures on request: 54°C and 60°C .

Name	Type	Size (mm)					
		ϕD	$\phi D1$	L	D0	L1	H
ROV Oil temperature control valve	ROV 25-D	32	25	165	$\square 95$	110	175
	ROV 32-D	38	32	165	$\square 95$	110	175
	ROV 40-D	45	39	196	$\square 105$	138	210
	ROV 50-D	57	50	196	$\square 105$	138	210
	ROV 65-D	76	65	250	$\square 135$	155	250
	ROV 80-D	89	80	250	$\square 135$	155	250

AQDV

Quick drain valve AQDV series

Technical parameters

Nominal pressure: 4.0MPa

Applicable temperature: -50°C ~

Test pressure: 6.0MPa

+150°C

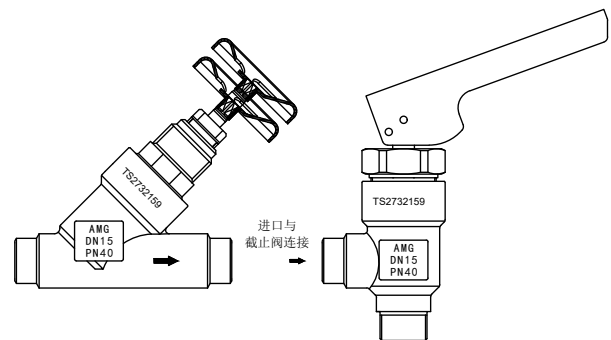
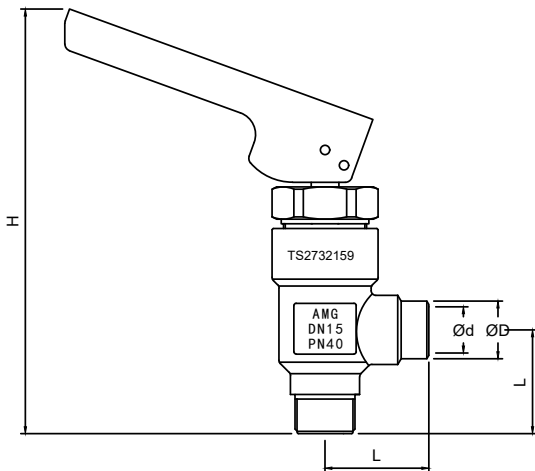
Applicable medium: ammonia.



Characteristics

AQDV is a fast oil drain valve designed for pressurized oil drainage in (ammonia) refrigeration systems. The valve will close immediately after releasing the handle, thereby protecting the user and the environment from the hazards caused by refrigerant leakage. According to the rules, the valve should be installed as shown in Figure 1. In order to prevent the built-in pressure relief components in the stop valve and QDV, which are part of the valve core, the opening pressure is approximately 16 bar g (363 psi g)

- AQDV is mainly used for refrigerant ammonia
- Meet the safety requirements for industrial refrigeration
- The handle can be rotated 360 degrees.
- Built-in pressure relief device opens over 16 bar g (prevents pressure between the shut-off valve and the AQDV)
- For quick on-site installation, stop valves can be provided together (Figure 1)



Name	Type	尺寸(mm) Size(mm)		
		H	L	L1
AQDV Quick drain v.	AQDV15	185	45	45
AQDV Quick Drain Valve	AQDV20			

AKS38

Float level switch AKS38 series

Technical parameters

Nominal pressure: 2.8MPa

Applicable temperature: $-50^{\circ}\text{C} \sim$

Test pressure: 4.2MPa

$+65^{\circ}\text{C}$

Applicable medium: ammonia, fluorine, propane, etc.

Microelectronic single pole double throw switches have two functions: normally open and normally closed 250V_{a.c}/10A 30V_{d.c}/5A

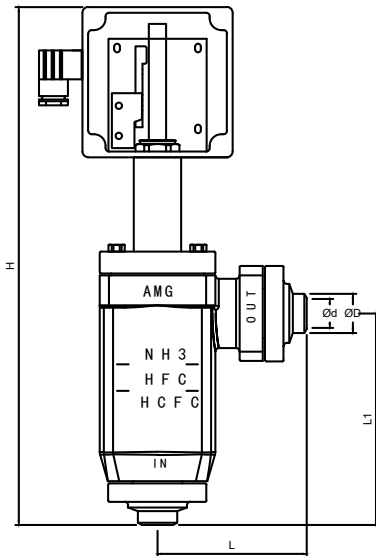


Characteristics

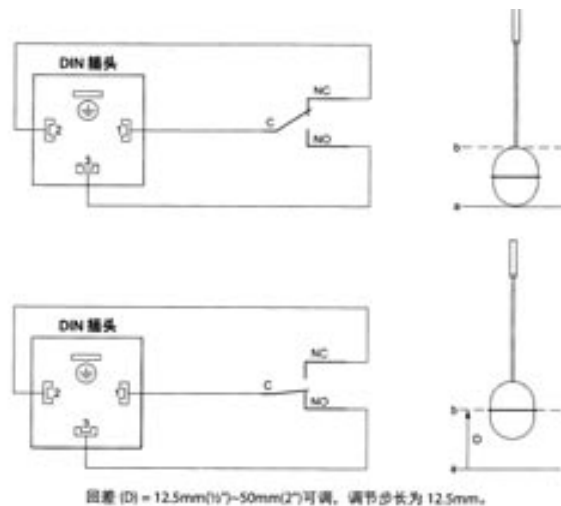
- AKS38 liquid level switch is an electromechanical float level switch designed and produced based on the principles of buoyancy and magnetic field. It can send switching signals according to changes in liquid level, and can also be used as an alarm for high/low liquid levels

Operation

- The position of the floating ball changes due to the change of the liquid level inside the valve body, and when the contact point of the floating ball enters the micro electricity In the sub switch magnetic field, switching signals are generated under the action of magnetic force to achieve automatic control The process of liquid level. The liquid level adjustment range is between 12.5mm and 50mm, and the adjustment step is 12.5mm. It is factory set The setting standard is 50mm.



Name	Type	Size (mm)		
		H	L	L1
AKS38	ASK38-20	400	121	177
AKS38 liquid level switch	ASK38-25			



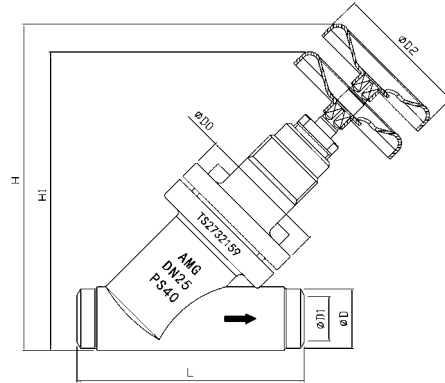
RVY15-80-D Forged steel straight through stop valve
RVY15-80-D Forged steel straight-through stop valve



Technical parameters

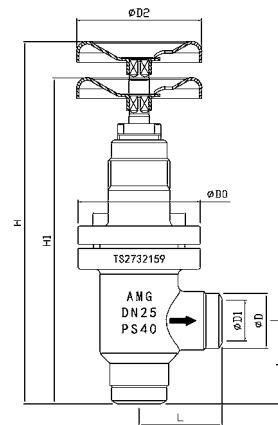
Nominal pressure: 4.0MPa
Test pressure: 6.0MPa

Applicable temperature: -50°C ~+150°C
Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)						(Kg) Weight
		φ D	φ D1	L	φ D0	H1	H	
Straight-through stop valve	RVY15-D	21	15	106	65	137	147	1.3
	RVY20-D	25	20	106	65	140	150	1.4
	RVY25-D	32	25	128	75	170	186	2.4
	RVY32-D	38	32	128	75	174	190	2.5
	RVY40-D	45	40	165	95	218	250	4.3
	RVY50-D	57	50	165	95	225	258	4.6
	RVY65-D	76	65	195	105	270	305	8.8
	RVY80-D	89	80	212	115	305	350	10.3

RVT15-80-D
RVT15-80-D Forged steel right-angle stop valve



Name	Type	Size (mm)						(Kg) Weight
		φ D	φ D1	L	φ D0	H1	H	
Right-angle stop valve	RVT15-D	21	15	40	65	168	183	1.2
	RVT20-D	25	20	40	65	168	183	1.3
	RVT25-D	32	25	51	75	200	223	2.1
	RVT32-D	38	32	51	75	200	223	2.2
	RVT40-D	45	40	60	95	246	290	3.8
	RVT50-D	57	50	64	95	246	290	4.0
	RVT65-D	76	65	75	105	265	300	7.2
	RVT80-D	89	80	80	115	305	345	8.3

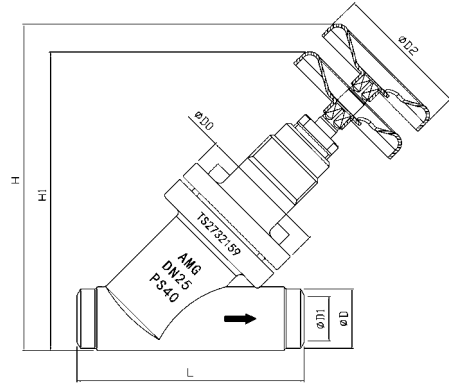
RRY15-80-D

RRY15-80-D Forged steel straight-through regulating valve



Technical parameters

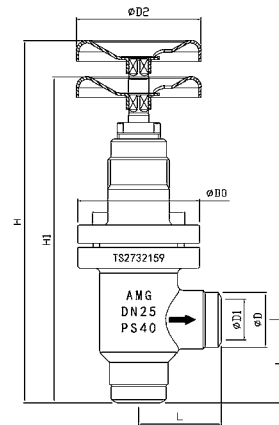
Nominal pressure: 4.0MPa Applicable temperature: -50°C ~+150°C
 Test pressure: 6.0MPa Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)						Kg Weight
		φ D	φ D1	L	φ D0	H1	H	
Straight-through regulating valve	RRY15-D	21	15	106	65	137	147	1.4
	RRY20-D	25	20	106	65	140	150	1.5
	RRY25-D	32	25	128	75	170	186	2.5
	RRY32-D	38	32	128	75	174	190	2.5
	RRY40-D	45	40	165	95	218	250	4.4
	RRY50-D	57	50	165	95	225	258	4.8
	RRY65-D	76	65	195	105	270	305	9.3
	RRY80-D	89	80	212	115	305	350	11.1

RRT15-80-D

RRT15-80-D Forged steel right-angle regulating valve



Name	Type	Size (mm)						Kg Weight
		φ D	φ D1	L	φ D0	H1	H	
Right-angle regulating valve	RRT15-D	21	15	40	65	168	183	1.2
	RRT20-D	25	20	40	65	168	183	1.3
	RRT25-D	32	25	51	75	200	223	2.2
	RRT32-D	38	32	51	75	200	223	2.3
	RRT40-D	45	40	60	95	246	290	4.1
	RRT50-D	57	50	64	95	246	290	4.2
	RRT65-D	76	65	75	105	265	300	7.7
	RRT80-D	89	80	80	115	305	345	9.1

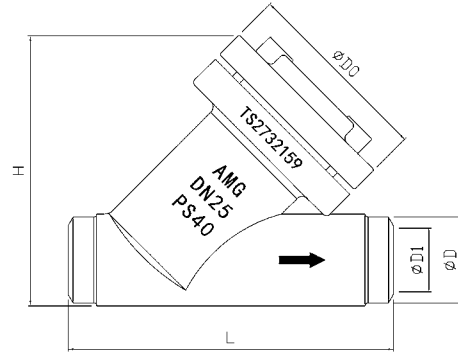
RCY15-80-D

RCY15-80-D Forged steel straight-through check valve



Technical parameters

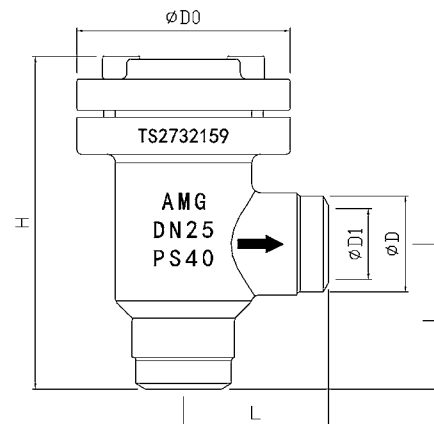
Nominal pressure: 4.0MPa
Test pressure: 6.0MPa
Applicable temperature: -50°C ~ $+150^{\circ}\text{C}$
Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)					Kg) Weight
		ϕD	$\phi D1$	L	$\phi D0$	H	
Straight-through check valve	RCY15-D	21	15	106	65	87	1.1
	RCY20-D	25	20	106	65	89	1.2
	RCY25-D	32	25	128	75	106	1.9
	RCY32-D	38	32	128	75	110	2.0
	RCY40-D	45	40	165	95	140	3.8
	RCY50-D	57	50	165	95	146	4.2
	RCY65-D	76	65	195	105	175	7.1
	RCY80-D	89	80	212	115	193	8.4

RCT15-80-D

RCT15-80-D Forged steel right-angle check valve



Name	Type	Size (mm)					Kg) Weight
		ϕD	$\phi D1$	L	$\phi D0$	H	
止回阀 Right-angle check valve	RCT15-D	21	15	40	65	100	1.0
	RCT20-D	25	20	40	65	100	1.1
	RCT25-D	32	25	51	75	116	1.6
	RCT32-D	38	32	51	75	116	1.7
	RCT40-D	45	40	60	95	150	3.2
	RCT50-D	57	50	60	95	150	3.6
	RCT65-D	76	65	75	105	160	5.6
	RCT80-D	89	80	80	115	173	6.3

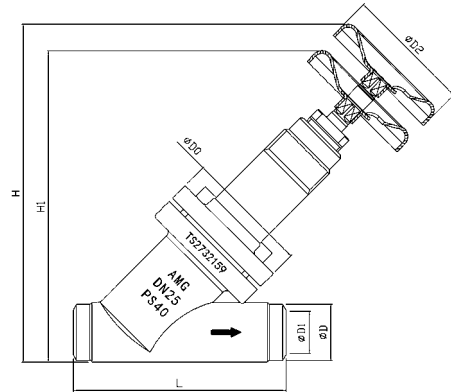
VCY15-80-D

VCY15-80-D Forged steel straight-through stop check valve



Technical parameters

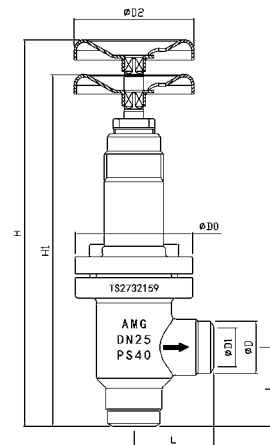
Nominal pressure: 4.0MPa
Test pressure: 6.0MPa
Applicable temperature: -50°C ~+150°C
Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)						Kg) Weight
		φ D	φ D1	L	φ D0	H1	H	
Straight-through stop check valve	VCY15-D	21	15	106	65	150	165	1.5
	VCY20-D	25	20	106	65	155	170	1.6
	VCY25-D	32	25	128	75	190	207	2.4
	VCY32-D	38	32	128	75	193	210	2.8
	VCY40-D	45	40	165	95	237	264	4.8
	VCY50-D	57	50	165	95	243	270	5.0
	VCY65-D	76	65	195	105	307	340	8.7
	VCY80-D	89	80	212	115	326	365	10.0

VCT15-80-D

VCT15-80-D Forged steel right-angle stop check valve



Name	Type	Size (mm)						Kg) Weight
		φ D	φ D1	L	φ D0	H1	H	
Right-angle stop check valve	VCT15-D	21	15	40	65	190	210	1.3
	VCT20-D	25	20	40	65	190	210	1.4
	VCT25-D	32	25	51	75	227	253	2.4
	VCT32-D	38	32	51	75	227	253	2.5
	VCT40-D	45	40	60	95	276	313	4.2
	VCT50-D	57	50	64	95	276	313	4.3
	VCT65-D	76	65	75	105	316	362	7.4
	VCT80-D	89	80	80	115	335	386	8.2

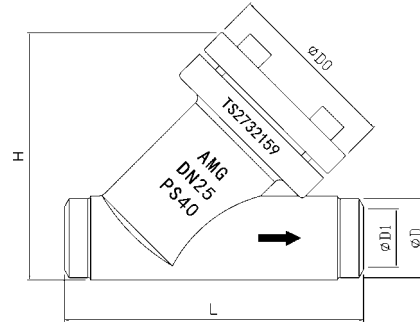
FIAY15-150-D

FIAY15-150-D forged steel straight-through Filter



Technical parameters

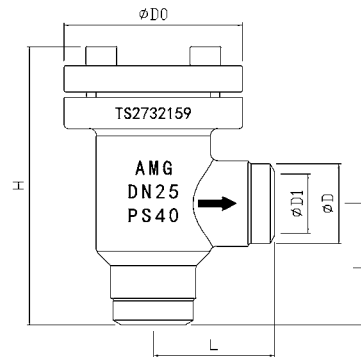
Nominal pressure: 4.0MPa	Applicable temperature: -50°C ~+150°C
Test pressure: 6.0MPa	Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)					Kg) Weight
		φD	φD1	L	φD0	H	
Straight-through filter	FIAY15-D	21	15	106	65	87	1.0
	FIAY20-D	25	20	106	65	89	1.1
	FIAY25-D	32	25	128	75	106	1.5
	FIAY32-D	38	32	128	75	110	1.7
	FIAY40-D	45	40	165	95	140	3.0
	FIAY50-D	57	50	165	95	146	3.3
	FIAY65-D	76	65	195	105	175	5.8
	FIAY80-D	89	80	212	115	193	7.1

FIAT15-150-D

FIAT15-150-D forged steel right-angle Filter



Name	Type) Size (mm)					Kg) Weight
		φD	φD1	L	φD0	H	
Right-angle filter	FIAT15-D	21	15	40	65	92	0.9
	FIAT20-D	25	20	40	65	92	0.9
	FIAT25-D	32	25	51	75	110	1.2
	FIAT32-D	38	32	51	75	110	1.4
	FIAT40-D	45	40	60	95	138	2.4
	FIAT50-D	57	50	60	95	138	2.7
	FIAT65-D	76	65	75	105	150	4.4
	FIAT80-D	89	80	80	115	162	5.1

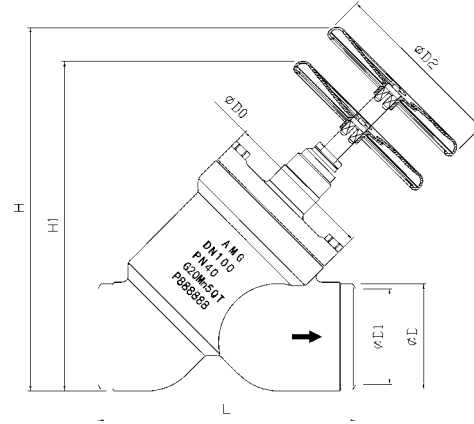
RVY100-250-D

RVY100-250-D cast steel straight-through stop valve



Technical parameters

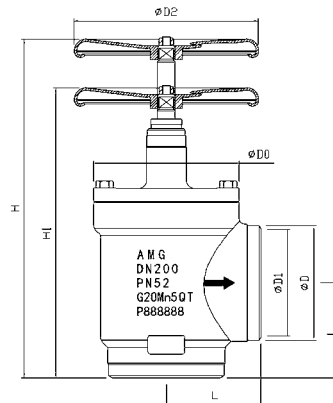
Nominal pressure: 4.0MPa
 Test pressure: 6.0MPa
 Applicable temperature: -50°C ~+150°C
 Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)					Kg) Weight
		φ D	L	H1	H	φ D0	
Straight-through stop valve	RVY100-D	108	264	340	375	156	16
	RVY125-D	133	322	405	450	193	30
	RVY150-D	159	370	480	540	219	39
	RVY200-D	219	464	615	680	276	90
	RVY250-D	273	550	715	790	334	110

RVT100-350-D

RVT100-350-D cast steel right-angle stop valve



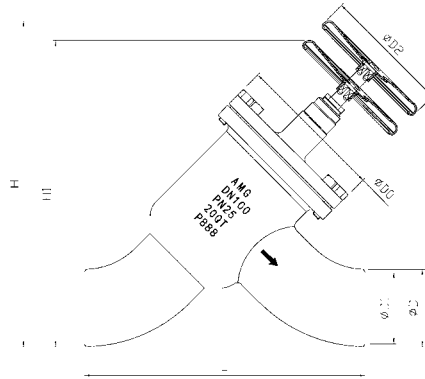
Name	Type	Size (mm)					重量(Kg) Weight
		φ D	L	H1	H	φ D0	
Right-angle stop valve	RVT100-D	108	106	325	375	156	14
	RVT125-D	133	128	395	460	193	27
	RVT150-D	159	145	460	545	219	35
	RVT200-D	219	180	550	645	276	73
	RVT250-D	273	210	620	725	334	100
	RVT300-D	325	240	655	760	384	140
	RVT350-D	377	270	720	820	430	180

RVY100-450-D

RVY100-450-D Welding straight-through stop valve

Technical parameters

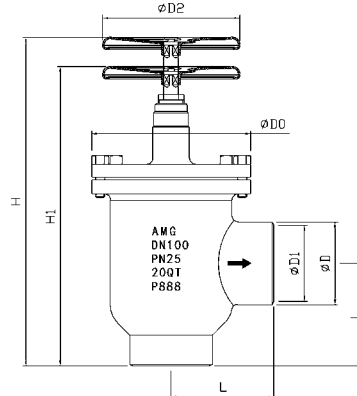
Nominal pressure: 2.5MPa Applicable temperature: -50°C ~+150°C
 Test pressure: 3.75MPa Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)						Kg Weight
		φ D	φ D1	L	φ D0	H1	H	
Straight-through stop valve	RVY100-D	108	99	390	208	428	455	19
	RVY125-D	133	123	470	229	500	535	28
	RVY150-D	159	149	545	267	560	605	38
	RVY200-D	219	205	670	333	710	760	78
	RVY250-D	273	255	910	410	870	935	145
	RVY300-D	325	305	1065	450	1070	1155	288
	RVY350-D	377	355	1225	505	1185	1260	390
	RVY400-D	426	402	1380	565	1300	1420	
RVY450-D	480	456	1530	650	1380	1500		

RVT100-450-D

RVT15-450-D Welding right-angle stop valve



Name	Type	Size (mm)						Kg Weight
		φ D	φ D1	L	φ D0	H1	H	
Right-angle stop valve	RVT100-D	108	99	134	208	390	430	16
	RVT125-D	133	123	155	229	450	505	22
	RVT150-D	159	149	175	267	500	560	31
	RVT200-D	219	205	210	333	600	680	68
	RVT250-D	273	255	260	410	710	800	106
	RVT300-D	325	305	300	450	885	1000	205
	RVT350-D	377	355	355	505	970	1095	265
	RVT400-D	426	402	380	565	1065	1225	
RVT450-D	480	456	390	650	1100	1265		

VCY/VCT

Welding VCY/VCT stop check valve

VCY100-450-D

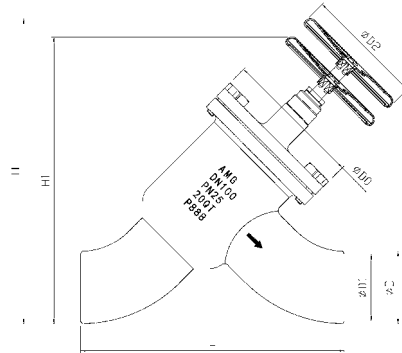
VCY100-450-D Welding straight-through stop check valve

Technical parameters

Nominal pressure: 2.5MPa
Test pressure: 3.75MPa

Applicable temperature: -50°C $\sim +150^{\circ}\text{C}$

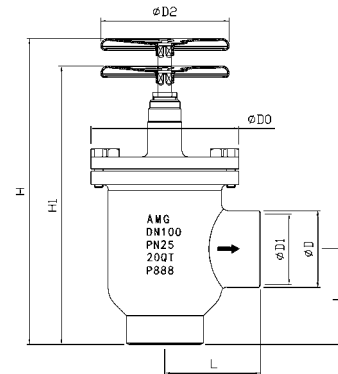
Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)						Kg) Weight
		ϕD	$\phi D1$	L	$\phi D0$	H1	H	
Straight-through stop check valve	VCY100-D	108	99	390	208	435	465	20
	VCY125-D	133	123	470	229	520	560	28
	VCY150-D	159	149	545	267	570	605	38
	VCY200-D	219	205	670	333	770	835	95
	VCY250-D	273	255	910	410	900	965	145
	VCY300-D	325	305	1065	450	1070	1155	288
	VCY350-D	377	355	1225	505	1180	1255	390
	VCY400-D	426	402	1380	565	1300	1420	
VCY450-D	480	456	1530	650	1380	1500		

VCT100-450-D

VCT100-450-D Welding right-angle stop check valve



Name	Type	Size (mm)						Kg) Weight
		ϕD	$\phi D1$	L	$\phi D0$	H1	H	
Right-angle stop check valve	VCT100-D	108	99	134	208	400	440	17
	VCT125-D	133	123	155	229	485	540	23
	VCT150-D	159	149	175	267	500	552	32
	VCT200-D	219	205	210	333	600	680	85
	VCT250-D	273	255	260	410	756	846	114
	VCT300-D	325	305	300	450	830	930	230
	VCT350-D	377	355	355	505	970	1080	285
	VCT400-D	426	402	380	565	1065	1225	
	VCT450-D	480	456	390	650	1100	1265	

TDZ15-125-T right-angle Filter

EMG's two forms of filters, Types TDZ and FIA, are specially designed for industrial refrigeration. These reliable filters are an indispensable component of the modern refrigeration industry. They are suitable for gases and liquids with all common refrigerants such as ammonia and fluorine.

The TDZ filters are available in two connection configurations: angular and straight. The TDZ filters are large in size, have a large filtering area and a long cleaning interval and are suitable for use before and after pumps and before compressors etc.

FIA filters are also available in angular and straight-through configurations, and are small in size and suitable for use before solenoid valves, pressure regulating valves and other automatic control devices. This prevents wear and tear of the compressor, valves and other components by impurities, thus reducing the failure rate of the system.

The strainers and mesh panels are made of stainless steel, which is rust-free, long-lasting and easy to clean.

The square hole filter plate has a large circulation area and a small pressure drop. The filter element is easy to install and maintain.

The filter housing material of the DN15-80 FIA type is special of low-temperature resistant steel and made of forged steel as a whole, with no leaks.

Stainless steel screens are available in 38, 72, 100 and 150 mesh

(500, 250, 150, 100 μ) in a choice of four sizes.

General principles of filter selection:

Liquid lines: 38 mesh (500 μ) before the pump, 100 mesh (150 μ) after the pump, 150 mesh (100 μ) before the electronic expansion valve, 38 mesh (500 μ) before the general self-control element, 72 mesh (250 μ) before the sensitive self-control element.

Suction line: 72 mesh (250 μ) before screw compressors, 100 mesh (150 μ) before piston compressors.

Reference principles for cleaning or replacing filters Liquid lines

$\Delta P > 0.5$ bar, suction line $\Delta P > 0.05$ bar, maximum permissible differential pressure of the filter is 1 bar.

TDZ15-125-Y

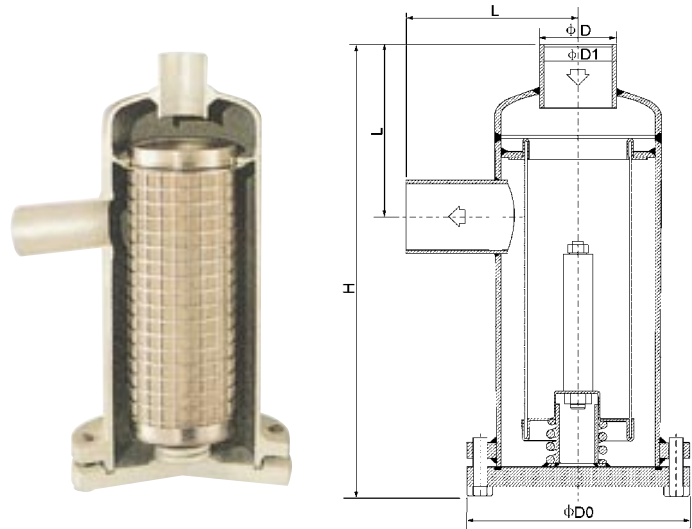
TDZ15-125-Y straight-through Filter



Technical parameters

Nominal pressure: 2.5MPa
Test pressure: 3.75MPa

Applicable temperature: $-50^{\circ}\text{C} \sim +150^{\circ}\text{C}$
Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)					Kg) Weight
		ϕD	$\phi D1$	L	$\phi D0$	H	
Right-angle filter	TDZ15T-D	21	15	110	150	270	6
	TDZ20T-D	25	20	110	150	270	6
	TDZ25T-D	32	25	110	150	270	6
	TDZ32T-D	38	32	110	150	270	6
	TDZ40T-D	45	40	140	180	345	11
	TDZ50T-D	57	50	140	180	345	11
	TDZ65T-D	76	65	140	180	345	11
	TDZ80T-D	89	80	140	180	345	11
	TDZ100T-D	108	99	134	208	410	16
	TDZ125T-D	133	123	155	229	470	18
TDZ150T-D	159	149	175	267	545	23	

Name	Type	Size (mm)					Kg) Weight
		ϕD	$\phi D1$	L	$\phi D0$	H	
Straight-through filter	TDZ15Y-D	21	15	200	150	295	6
	TDZ20Y-D	25	20	210	150	300	6
	TDZ25Y-D	32	25	220	150	305	6
	TDZ32Y-D	38	32	230	150	310	6
	TDZ40Y-D	45	40	300	180	400	11
	TDZ50Y-D	57	50	310	180	415	11
	TDZ65Y-D	76	65	320	180	420	12
	TDZ80Y-D	89	80	330	180	435	12
	TDZ100Y-D	108	99	395	208	455	18
	TDZ125Y-D	133	123	475	229	520	20

RCH25-350-F

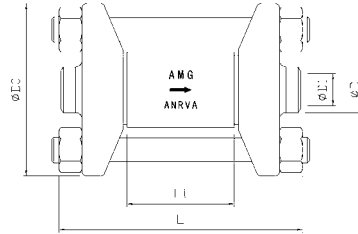
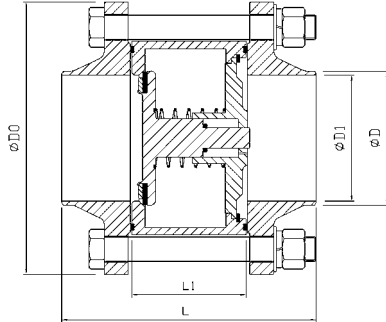
RCH80-350-F Welding neck flange straight-through check valve

Technical parameters

Nominal pressure: 2.5MPa
Test pressure: 3.75MPa

Applicable temperature: -50°C ~+150°C

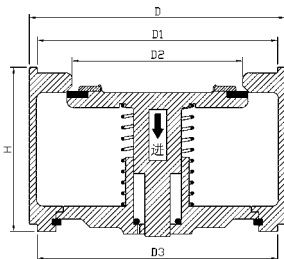
Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)					Kg Weight
		φ D	φ D1	L1	L	φ D0	
High neck flange Straight-through check valve	RCH15-F	21	15	50	115	80	1.5
	RCH20-F	27	20	50	115	80	1.5
	RCH25-F	34	25	70	138	□90	3
	RCH32-F	42	32	70	138	□90	3
	RCH40-F	48	40	75	155	□100	8
	RCH50-F	60	50	75	155	□100	9.5
	RCH65-F	76	65	90	195	185	14
	RCH80-F	89	80	100	220	200	18.5
	RCH100-F	108	99	113	245	235	26
	RCH125-F	133	124	123	265	270	36
	RCH150-F	159	149	130	285	300	48
	RCH200-F	219	205	160	325	360	67
	RCH250-F	273	259	180	360	425	
	RCH300-F	325	305	190	380	485	
RCH350-F	377	355	220	425	555		

RCH80-400

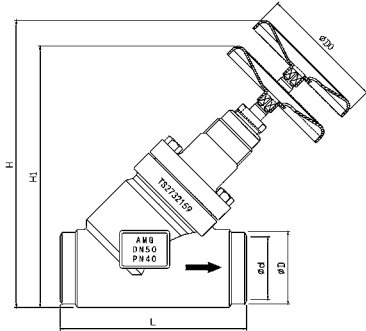
RCH80-400 Screw machine dedicated to brea the check valve



Name	Type	Size (mm)					Kg Weight
		φ D	φ D1	φ D2	φ D3	H	
Special Inhalation Check Valve for Screw Machine	RCH32	73	65	66	32	75	1.5
	RCH40	68	75	76	42	80	2
	RCH50	93	87	88	52	85	2.3
	RCH65	118	109	110	65	97	4.5
	RCH80	138	120	121	80	108	5.5
	RCH100	144	129	129	96	123	6
	RCH125	165	154	155	105	123	9
	RCH150	200	190	190	135	130	12
	RCH200	270	259	260	190	160	23
	RCH250	348	330	331	240	180	33
	RCH300	400	363	364	290	190	56
	RCH350	453	421	422	338	220	73
RCH400	505	474	477	370	260	99	

STY15-150-D

RVY15-150-D Forged steel straight-through stop valve



Technical parameters

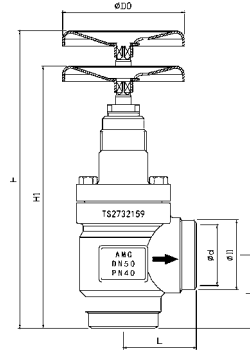
Nominal pressure: 2.5MPa
Test pressure: 3.75MPa

Applicable temperature: -50°C ~ +150°C
Applicable medium: ammonia, fluorine, propane, propylene, etc.

Name	Type	Size (mm)					Kg) Weight
		φ D	L	H1	H	φ D0	
Straight-through stop valve	STY15-D	21	90	110	120	60	0.6
	STY20-D	27	120	130	140	60	1.2
	STY25-D	34	120	130	140	60	1.3
	STY32-D	42	128	155	175	80	2
	STY40-D	48	145	175	195	80	2.5
	STY50-D	57	148	205	225	100	4
	STY65-D	76	176	240	265	120	6.5
	STY80-D	89	216	285	310	160	11
	STY100-D	108	264	340	375	180	17
	STY125-D	133	322	405	450	200	35
STY150-D	159	370	480	540	250	50	

STT15-150-D

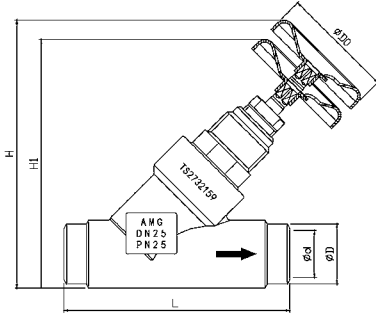
STT15-150-D Forged steel right-angle stop valve



Name	Type	Size (mm)					Kg) Weight
		φ D	L	H1	H	φ D0	
Right-angle stop valve	STT15-D	21	35	135	150	60	0.55
	STT20-D	27	45	155	170	60	1
	STT25-D	34	45	155	170	60	1.1
	STT32-D	42	51	180	205	80	1.9
	STT40-D	48	55	195	225	80	2.3
	STT50-D	57	60	215	240	100	3.4
	STT65-D	76	70	240	275	120	5.3
	STT80-D	89	90	280	315	160	8.6
	STT100-D	108	106	325	375	180	13.5
	STT125-D	133	128	395	460	200	27
	STT150-D	159	145	460	545	250	37

SRY15-80-D

SRY15-80-D Forged steel straight-through control valve



Technical parameters

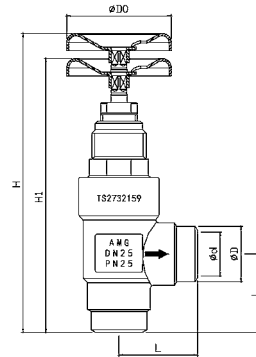
Nominal pressure: 2.5MPa
Test pressure: 3.75MPa

Applicable temperature: -50°C ~+150°C
Applicable medium: ammonia, fluorine, propane, propylene, etc.

Name	Type	Size (mm)					Kg) Weight
		φ D	L	H1	H	φ D0	
Straight-through control valve	SRY15-D	21	90	110	120	60	0.65
	SRY20-D	27	120	130	140	60	1.2
	SRY25-D	34	120	130	140	60	1.4
	SRY32-D	42	128	155	175	80	2.1
	SRY40-D	48	145	170	195	80	2.7
	SRY50-D	57	148	205	225	100	4.3
	SRY65-D	76	176	240	265	120	6.8
	SRY80-D	89	216	265	310	160	11.5

SRT15-80-D

SRT15-80-D Forged steel right-angle control valve



Name	Type	Size (mm)					重量(Kg) Weight
		φ D	L	H1	H	φ D0	
Right-angle control valve	SRT15-D	21	35	135	150	60	0.6
	SRT20-D	27	45	155	170	60	1.1
	SRT25-D	34	45	155	170	60	1.2
	SRT32-D	42	51	180	205	80	2
	SRT40-D	48	55	195	225	80	2.4
	SRT50-D	57	60	215	240	100	3.6
	SRT65-D	76	70	240	275	120	5.6
	SRT80-D	89	90	280	315	160	9

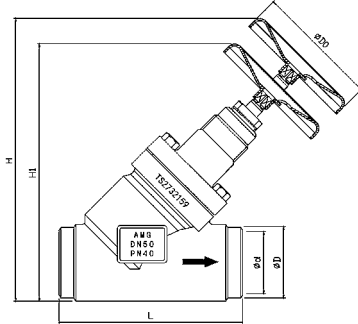
SVY15-150-D

SVY15-150-D Precision forging straight-through stop valve

Technical parameters

Nominal pressure: 5.2MPa
Test pressure: 7.8MPa

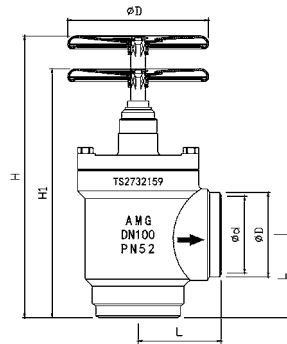
Applicable temperature: -60°C ~ +150°C
Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)					Kg Weight
		φ D	L	H1	H	φ D0	
Straight-through stop valve	SVY15-D	21	120	140	155	60	1.6
	SVY20-D	27	120	140	155	60	1.6
	SVY25-D	32	120	140	155	60	1.7
	SVY32-D	38	155	185	205	80	3
	SVY40-D	45	155	188	208	80	3
	SVY50-D	57	148	205	225	100	4.1
	SVY65-D	76	176	240	265	120	6.5
	SVY80-D	89	216	290	310	160	11
	SVY100-D	108	264	340	375	180	17
	SVY125-D	133	322	405	450	200	35
SVY150-D	159	370	480	540	250	50	

SVT15-150-D

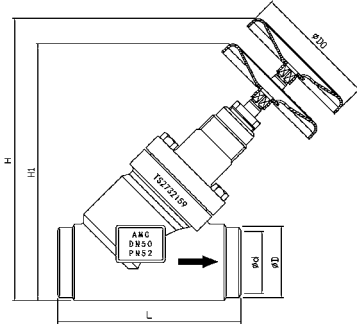
SVT15-150-D Precision forging right-angle stop valve



Name	Type	Size (mm)					Kg Weight
		φ D	L	H1	H	φ D0	
Right-angle stop valve	SVT15-D	21	45	175	195	60	1.3
	SVT20-D	27	45	175	195	60	1.4
	SVT25-D	32	45	175	195	60	1.6
	SVT32-D	38	55	220	250	80	2.6
	SVT40-D	45	55	220	250	80	2.6
	SVT50-D	57	60	215	240	100	3.2
	SVT65-D	76	70	240	275	120	5.1
	SVT80-D	89	90	280	315	160	8.4
	SVT100-D	108	106	325	375	180	13.5
	SVT125-D	133	128	395	460	200	27
SVT150-D	159	145	460	545	250	37	

REY15-80-D

REY15-80-D Precision forging straight-through control valve



Technical parameters

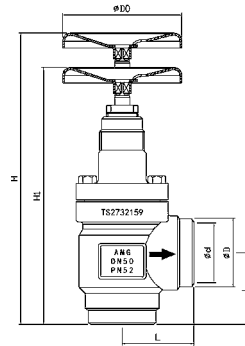
Nominal pressure: 5.2MPa
Test pressure: 7.8MPa

Applicable temperature: -60°C ~ +150°C
Applicable medium: ammonia, fluorine, propane, propylene, etc.

Name	Type	Size(mm)					Kg) Weight
		φ D	L	H	H1	φ D0	
Straight-through control valve	REY15-D	21	120	155	140	60	1.8
	REY20-D	27	120	155	140	60	1.8
	REY25-D	32	120	155	140	60	1.9
	REY32-D	38	155	205	185	80	3.2
	REY40-D	45	155	208	188	80	3.2
	REY50-D	57	148	225	205	100	4.5
	REY65-D	76	176	265	240	120	6.8
	REY80-D	89	216	310	290	160	11.5

RET15-80-D

RET15-80-D Precision forging right-angle control valve



Name	Type	Size(mm)					Kg) Weight
		φ D	L	H	H1	φ D0	
Right-angle control valve	RET15-D	21	45	195	175	60	1.5
	RET20-D	27	45	195	175	60	1.6
	RET25-D	32	45	195	175	60	1.7
	RET32-D	38	55	250	220	80	2.8
	RET40-D	45	55	250	220	80	2.8
	RET50-D	57	60	240	215	100	3.4
	RET65-D	76	70	275	240	120	5.6
	RET80-D	89	90	315	280	160	9

CHY15-150-D

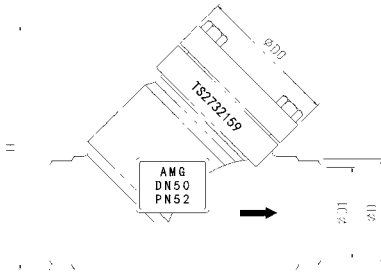
CHY15-150-D Precision forging straight-through check valve

Technical parameters

Nominal pressure: 5.2MPa
Test pressure: 7.8MPa

Applicable temperature: -60°C ~ +150°C

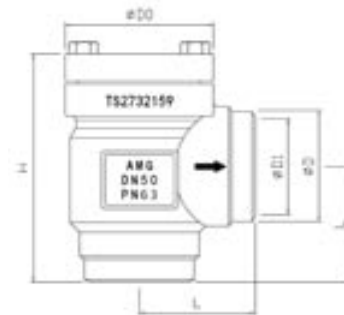
Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)					Kg) Weight
		φ D	φ D1	L	H	φ D0	
Straight-through check valve	CHY15-D	21	15	120	90	□60	1.3
	CHY20-D	27	20	120	90	□60	1.3
	CHY25-D	32	25	120	90	□60	1.5
	CHY32-D	38	32	155	125	□70	2.7
	CHY40-D	45	40	155	125	□70	2.8
	CHY50-D	57	50	148	135	□77	3.7
	CHY65-D	76	65	176	160	□90	
	CHY80-D	89	80	216	205	128	
	CHY100-D	108	99	264	250	156	
	CHY125-D	133	123	322	310	193	
CHY150-D	159	149	370	355	219		

CHT15-150-D

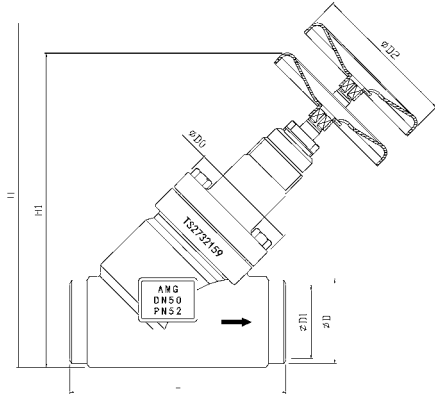
CHT15-150-D Precision forging right-angle check valve



Name	Type	Size (mm)					Kg) Weight
		φ D	φ D1	L	H	φ D0	
Right-angle check valve	CHT15-D	21	15	45	105	□60	
	CHT20-D	27	20	45	105	□60	
	CHT25-D	32	25	45	105	□60	
	CHT32-D	38	32	55	145	□70	2.4
	CHT40-D	45	40	55	145	□70	2.4
	CHT50-D	57	50	60	120	□77	2.9
	CHT65-D	76	65	70	140	□90	4.5
	CHT80-D	89	80	90	180	128	
	CHT100-D	108	99	106	210	156	
	CHT125-D	133	123	128	260	193	
CHT150-D	159	149	145	295	219		

SCY15-150-D

SCY15-150-D Precision forging straight-through stop check valve



Technical parameters

Nominal pressure: 5.2MPa
Test pressure: 7.8MPa

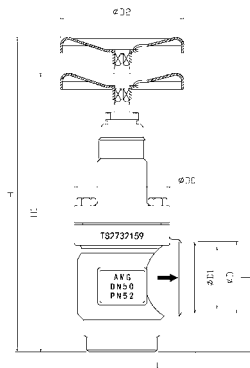
Applicable temperature: -60°C ~ +150°C

Applicable medium: ammonia, fluorine, propane, propylene, etc.

Name	Type	Size (mm)					Kg) Weight
		φ D	L	H1	H	φ D0	
Straight-through stop check valve	SCY15-D	21	120	155	170	□60	
	SCY20-D	27	120	155	170	□60	1.7
	SCY25-D	32	120	155	170	□60	
	SCY32-D	38	155	205	225	□70	3.4
	SCY40-D	45	155	205	225	□70	3.4
	SCY50-D	57	148	205	225	□77	
	SCY65-D	76	176	240	265	□90	
	SCY80-D	89	216	310	335	128	11.7
	SCY100-D	108	264	365	405	156	
	SCY125-D	133	322	405	450	193	
SCY150-D	159	370	480	540	219		

SCT15-150-D

SCT15-150-D Precision forging right-angle stop check valve



Name	Type	Size (mm)					Kg) Weight
		φ D	L	H1	H	φ D0	
Right-angle stop check valve	SCT15-D	21	45	195	215	□60	
	SCT20-D	27	45	195	215	□60	1.4
	SCT25-D	32	45	195	215	□60	1.5
	SCT32-D	38	55	245	280	□70	
	SCT40-D	45	55	245	280	□70	3
	SCT50-D	57	60	215	240	□77	3.4
	SCT65-D	76	70	240	275	□90	5.4
	SCT80-D	89	90	320	355	128	
	SCT100-D	108	106	365	425	156	
	SCT125-D	133	128	395	460	193	
SCT150-D	159	145	460	545	219		

FIAY15-150-D

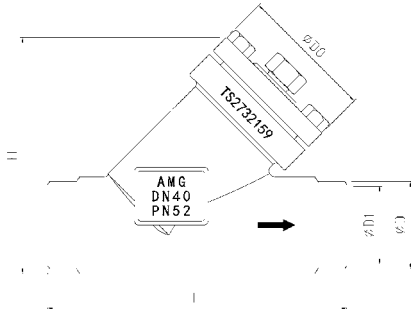
FIAY 15-150-D Precision forging straight-through filter

Technical parameters

Nominal pressure: 5.2MPa
Test pressure: 7.8MPa

Applicable temperature: -60°C~+150°C

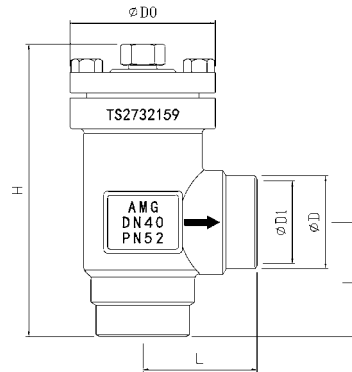
Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)					Kg) Weight
		φ D	φ D1	L	H	φ D0	
Straight-through filter	FIY15-D	21	15	120	90	□60	1.3
	FIY20-D	27	20	120	90	□60	1.3
	FIY25-D	32	25	120	90	□60	1.5
	FIY32-D	38	32	155	125	□70	2.3
	FIY40-D	45	40	155	125	□70	2.3
	FIY50-D	57	50	148	135	□77	3.2
	FIY65-D	76	65	176	160	□90	
	FIY80-D	89	80	216	205	128	
	FIY100-D	108	99	264	250	156	
	FIY125-D	133	123	322	310	193	
FIY150-D	159	149	370	355	219		

FIAT15-150-D

FIAT 15-150-D Precision forging right-angle filter



Name	Type	Size (mm)					Kg) Weight
		φ D	φ D1	L	H	φ D0	
Right-angle filter	FIT15-D	21	15	45	110	□60	1
	FIT20-D	27	20	45	110	□60	1.3
	FIT25-D	32	25	45	110	□60	
	FIT32-D	38	32	55	140	□70	
	FIT40-D	45	40	55	140	□70	
	FIT50-D	57	50	60	130	□77	2.6
	FIT65-D	76	65	70	150	□90	3.7
	FIT80-D	89	80	90	190	128	
	FIT100-D	108	99	106	220	156	
	FIT125-D	133	123	128	270	193	
FIT150-D	159	149	145	300	219		

FIAY15-80SS-D

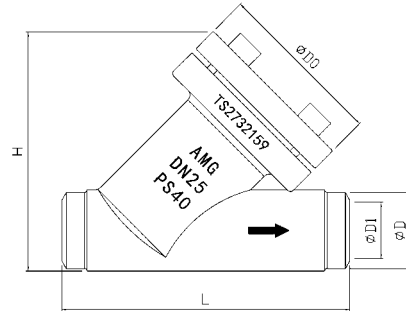
FIAY15-80SS-D Stainless steel straight-through Filter



Technical parameters

Nominal pressure: 4.0MPa
Test pressure: 6.0MPa

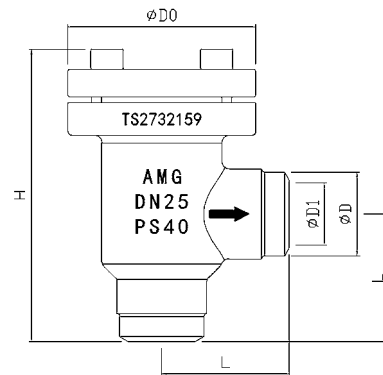
Applicable temperature: $-100^{\circ}\text{C} \sim +150^{\circ}\text{C}$
Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)					Kg) Weight
		ϕD	$\phi D1$	L	$\phi D0$	H	
Straight-through filter	FIY15SS-D	21	15	106	65	87	1.0
	FIY20SS-D	25	20	106	65	89	1.1
	FIY25SS-D	32	25	106	65	106	1.5
	FIY32SS-D	38	32	128	75	110	1.7
	FIY40SS-D	45	40	165	95	140	3.0
	FIY50SS-D	57	50	165	95	146	3.3
	FIY65SS-D	76	65	176	90	160	5.8
	FIY80SS-D	89	80	216	128	205	7.1

FIAT15-80SS-D

FIAT15-80SS-D Stainless steel right-angle Filter



Name	Type	Size (mm)					Kg) Weight
		ϕD	$\phi D1$	L	$\phi D0$	H	
Right-angle filter	FIT15SS-D	21	15	40	65	92	0.9
	FIT20SS-D	25	20	40	65	92	0.9
	FIT25SS-D	32	25	51	75	110	1.2
	FIT32SS-D	38	32	51	75	110	1.4
	FIT40SS-D	45	40	60	95	138	2.4
	FIT50SS-D	57	50	64	95	138	2.7
	FIT65SS-D	76	65	70	90	150	4.4
	FIT80SS-D	89	80	90	128	190	5.1

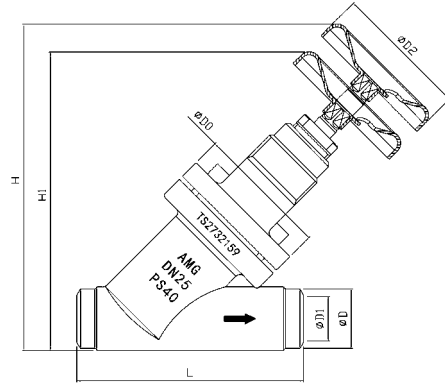
RVY15-80SS-D

RVY 15-80SS-D Stainless steel straight-through stop valve

Technical parameters

Nominal pressure: 4.0MPa
Test pressure: 6.0MPa

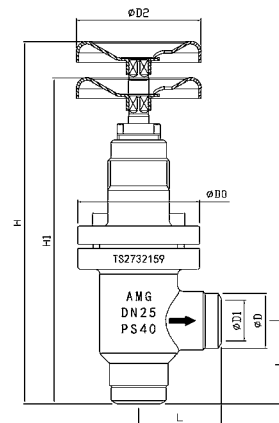
Applicable temperature: -100°C~+150°C
Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)						Kg) Weight
		φ D	φ D1	L	φ D0	H1	H	
Straight-through stop valve	RVY15SS-D	21	15	106	65	137	147	1.3
	RVY20SS-D	25	20	106	65	140	150	1.4
	RVY25SS-D	32	25	128	75	170	186	2.4
	RVY32SS-D	38	32	128	75	174	190	2.5
	RVY40SS-D	45	40	165	95	218	250	4.3
	RVY50SS-D	57	50	165	95	225	258	4.6
	RVY65SS-D	76	65	176	90	240	265	8.8
	RVY80SS-D	89	80	216	128	290	310	10.3

RVT15-80SS-D

RVT 15-80SS-D Stainless steel right-angle stop valve



Name	Type	Size (mm)						Kg) Weight
		φ D	φ D1	L	φ D0	H1	H	
Right-angle stop valve	RVT15SS-D	21	15	40	65	168	183	1.2
	RVT20SS-D	25	20	40	65	168	183	1.3
	RVT25SS-D	32	25	51	75	200	223	2.1
	RVT32SS-D	38	32	51	75	200	223	2.2
	RVT40SS-D	45	40	60	95	246	290	3.8
	RVT50SS-D	57	50	64	95	246	290	4.0
	RVT65SS-D	76	65	70	90	240	275	7.2
	RVT80SS-D	89	80	90	128	280	315	8.3

RRY15-80SS-D

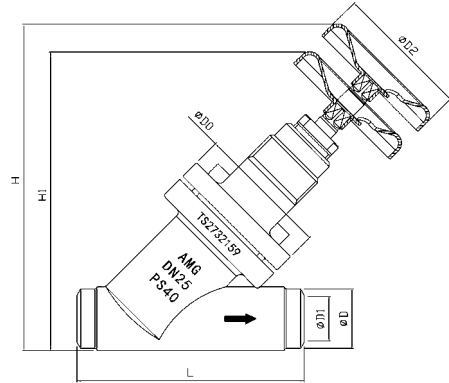
RRY 15-80SS-D Stainless steel straight-through control valve



Technical parameters

Nominal pressure: 4.0MPa
Test pressure: 6.0MPa

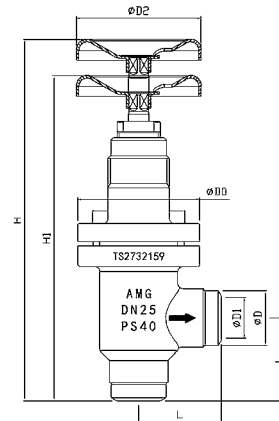
Applicable temperature: $-100^{\circ}\text{C} \sim +150^{\circ}\text{C}$
Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)						Kg Weight
		ϕD	$\phi D1$	L	$\phi D0$	H1	H	
Straight-through regulating valve	RRY15SS-D	21	15	106	65	137	147	1.4
	RRY20SS-D	25	20	106	65	140	150	1.5
	RRY25SS-D	32	25	128	75	170	186	2.5
	RRY32SS-D	38	32	128	75	174	190	2.5
	RRY40SS-D	45	40	165	95	218	250	4.4
	RRY50SS-D	57	50	165	95	225	258	4.8
	RRY65SS-D	76	65	176	90	240	265	9.3
RRY80SS-D	89	80	216	128	290	310	11.1	

RRT15-80SS-D

RRT 15-80SS-D Stainless steel right-angle control valve



Name	Type	Size (mm)						Kg Weight
		ϕD	$\phi D1$	L	$\phi D0$	H1	H	
Right-angle regulating valve	RRT15SS-D	21	15	40	65	168	183	1.2
	RRT20SS-D	25	20	40	65	168	183	1.3
	RRT25SS-D	32	25	51	75	200	223	2.2
	RRT32SS-D	38	32	51	75	200	223	2.3
	RRT40SS-D	45	40	60	95	246	290	4.1
	RRT50SS-D	57	50	64	95	246	290	4.2
	RRT65SS-D	76	65	70	90	240	275	7.7
	RRT80SS-D	89	80	90	128	280	315	9.1

RCY/RCT-SS

Stainless steel RCY/RCT-SS check valve

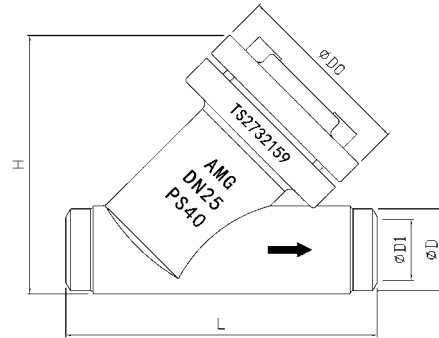
RCY15-80SS-D

RCY15-80SS-D Stainless steel straight-through check valve

Technical parameters

Nominal pressure: 4.0MPa
Test pressure: 6.0MPa

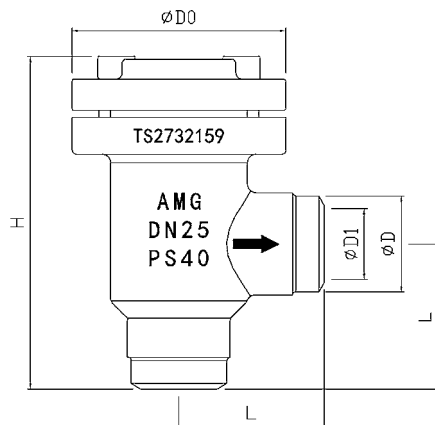
Applicable temperature: $-100^{\circ}\text{C} \sim +150^{\circ}\text{C}$
Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)					Kg Weight
		ϕD	$\phi D1$	L	$\phi D0$	H	
Straight-through check valve	RCY15SS-D	21	15	106	65	87	1.1
	RCY20SS-D	25	20	106	65	89	1.2
	RCY25SS-D	32	25	128	75	106	1.9
	RCY32SS-D	38	32	128	75	110	2.0
	RCY40SS-D	45	40	165	95	140	3.8
	RCY50SS-D	57	50	165	95	146	4.2
	RCY65SS-D	76	65	176	90	160	7.1
	RCY80SS-D	89	80	216	128	205	8.4

RCT15-80SS-D

RCT 15-80SS-D Stainless steel right-angle check valve



Name	Type	Size (mm)					Kg Weight
		ϕD	$\phi D1$	L	$\phi D0$	H	
Right-angle check valve	RCT15SS-D	21	15	40	65	100	1.0
	RCT20SS-D	25	20	40	65	100	1.1
	RCT25SS-D	32	25	51	75	116	1.6
	RCT32SS-D	38	32	51	75	116	1.7
	RCT40SS-D	45	40	60	95	150	3.2
	RCT50SS-D	57	50	60	95	150	3.6
	RCT65SS-D	76	65	70	90	140	5.6
	RCT80SS-D	89	80	90	128	180	6.3

VCY15-80SS-D

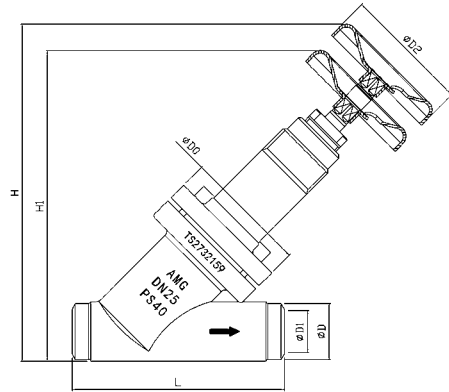
VCY15-80-D Stainless steel straight-through stop check valve



Technical parameters

Nominal pressure: 4.0MPa
Test pressure: 6.0MPa

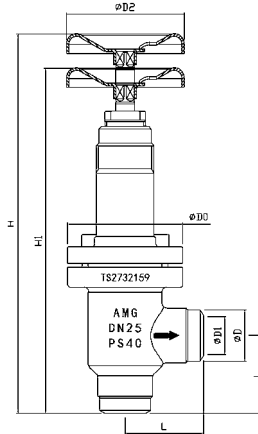
Applicable temperature: $-100^{\circ}\text{C} \sim +150^{\circ}\text{C}$
Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)						Kg) Weight
		ϕD	$\phi D1$	L	$\phi D0$	H1	H	
Straight-through stop check valve	VCY15SS-D	21	15	106	65	150	165	1.5
	VCY20SS-D	25	20	106	65	155	170	1.6
	VCY25SS-D	32	25	128	75	190	207	2.4
	VCY32SS-D	38	32	128	75	193	210	2.8
	VCY40SS-D	45	40	165	95	237	264	4.8
	VCY50SS-D	57	50	165	95	243	270	5.0
	VCY65SS-D	76	65	176	90	240	265	8.7
VCY80SS-D	89	80	216	128	310	335	10.0	

VCT15-80SS-D

VCT15-80-D Stainless steel right-angle stop check valve



Name	Type	Size (mm)						Kg) Weight
		ϕD	$\phi D1$	L	$\phi D0$	H1	H	
Right-angle stop check valve	VCT15SS-D	21	15	40	65	190	210	1.3
	VCT20SS-D	25	20	40	65	190	210	1.4
	VCT25SS-D	32	25	51	75	227	253	2.4
	VCT32SS-D	38	32	51	75	227	253	2.5
	VCT40SS-D	45	40	60	95	276	313	4.2
	VCT50SS-D	57	50	64	95	276	313	4.3
	VCT65SS-D	76	65	70	90	240	275	7.4
	VCT80SS-D	89	80	90	128	320	355	8.2

RVY4-10-D

RRY4-10-D

RVY4-10-D Forged steel straight-through stop valve

RRY4-10-D Forged steel straight-through stop and control valve



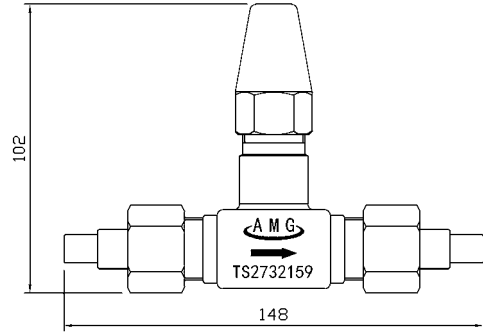
Technical parameters

Nominal pressure: 4.0MPa

Test pressure: 6.0MPa

Applicable temperature: -50°C ~ +150°C

Applicable medium: ammonia, fluorine, propane, propylene, etc.

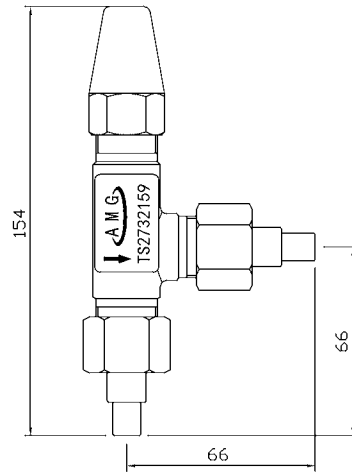


RVT4-10-D

RRT4-10-D

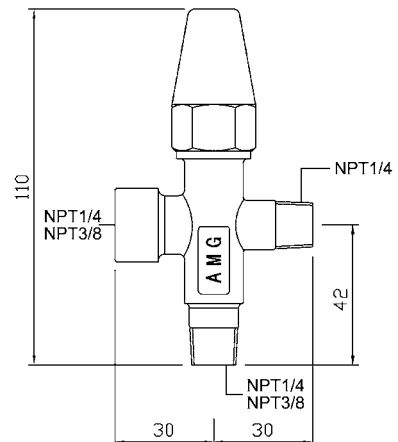
RVT4-10-D Forged steel right-angle stop valve

RRT4-10-D Forged steel right-angle stop and control valve



TH4-10

TH4-10 Three-way stop valve



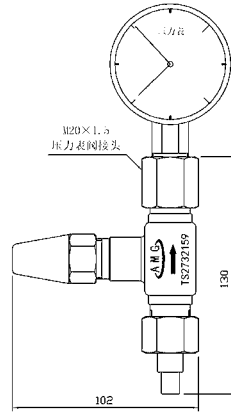
RVY6-10

RVY6-10 Straight-through pressure gauge valve

Technical parameters

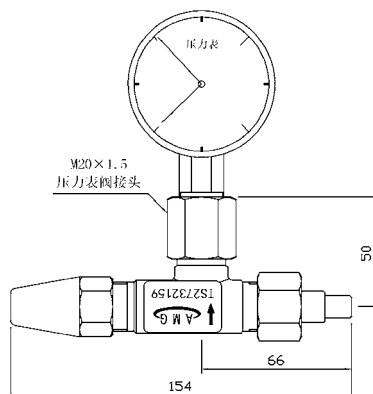
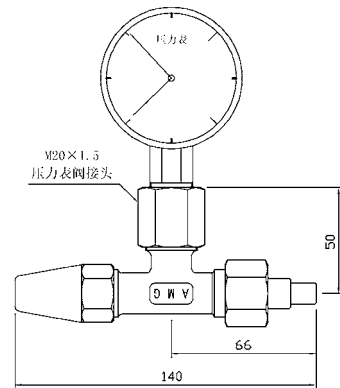
Nominal pressure: 4.0MPa
Test pressure: 6.0MPa

Applicable temperature: $-50^{\circ}\text{C} \sim +150^{\circ}\text{C}$
Applicable medium: ammonia, fluorine, propane, propylene, etc.



RVT6-10

RVT6-10 Right-angle pressure gauge valve



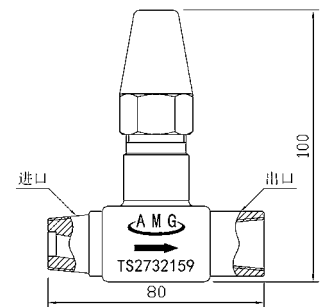
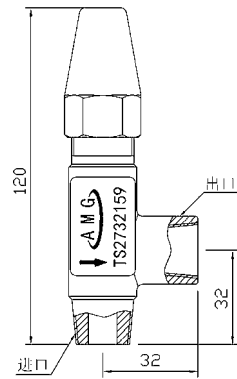
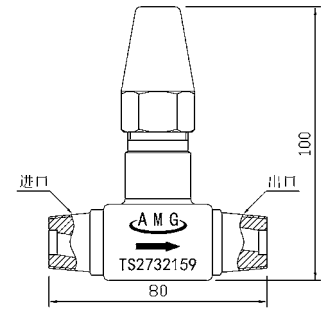
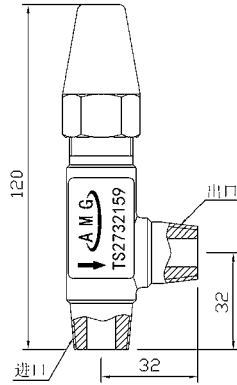
RVT4-10

RVT4-10 Small size stop valves with various port connections

Technical parameters

Nominal pressure: 4.0MPa
Test pressure: 6.0MPa

Applicable temperature: $-50^{\circ}\text{C} \sim +150^{\circ}\text{C}$
Applicable medium: ammonia, fluorine, propane, propylene, etc.



AMG (NO. AMG)	import (Vertical interface)	export (Horizontal interface)	Remarks: Angle valves
AMG01	1/4"	1/4"	Threads are male threads R
AMG02	3/8"	3/8"	
AMG03	1/2"	1/2"	
AMG04	1/4"	1/4"	Threads are male threads MPT
AMG05	3/8"	3/8"	
AMG06	1/2"	1/2"	
AMG07	1/4"	1/4"	Vertical port connection is male threaded R Horizontal port connection is female threaded RC
AMG08	3/8"	3/8"	
AMG09	1/2"	1/2"	
AMG10	1/4"	1/4"	Vertical port connection is female threaded MPT Horizontal port connection is male threaded FPT
AMG11	3/8"	3/8"	
AMG12	1/2"	1/2"	

AMG (NO. AMG)	import (Vertical interface)	export (Horizontal interface)	Remarks: Pass valves
AMG13	1/4"	1/4"	Threads are male threads R
AMG14	3/8"	3/8"	
AMG15	1/2"	1/2"	
AMG16	1/4"	1/4"	Threads are male threads MPT
AMG17	3/8"	3/8"	
AMG18	1/2"	1/2"	
AMG19	1/4"	1/4"	Vertical port connection is male threaded R Horizontal port connection is female threaded RC
AMG20	3/8"	3/8"	
AMG21	1/2"	1/2"	
AMG22	1/4"	1/4"	Vertical port connection is female threaded MPT Horizontal port connection is male threaded FPT
AMG23	3/8"	3/8"	
AMG24	1/2"	1/2"	

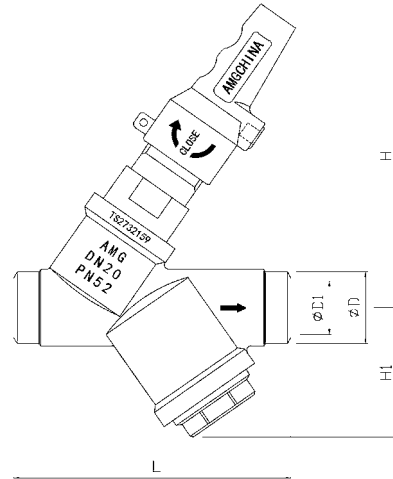
DN15-25

DN15-25 Cut-off filter integral valve

Technical parameters

Nominal pressure: 4.0MPa
Test pressure: 6.0MPa

Applicable temperature: $-50^{\circ}\text{C} \sim +150^{\circ}\text{C}$
Applicable medium: ammonia, fluorine, propane, propylene, etc.

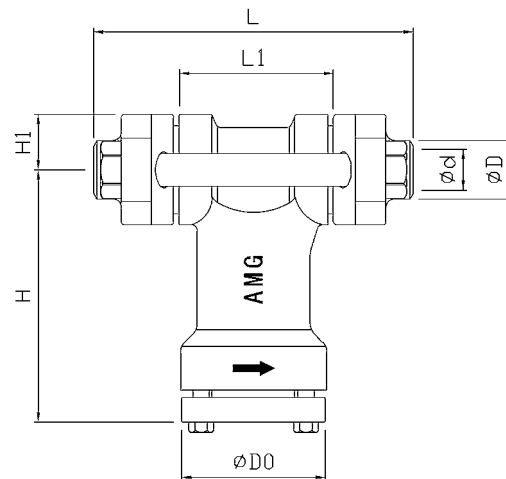


Name	Type	Size (mm)					Kg) Weight
		ϕD	$\phi D1$	L	H	H1	
Cut-off filter integral valve	JGY15-D	21	15	102	90	50	
	JGY20-D	28	20	110	125	50	
	JGY25-D	34	25	130	140	60	

AFA15-25

AFA15-25 filter

Direct installation of filter type AFA with solenoid valves type VMP and AEVRA (see page P5)



Name	Type	Size (mm)							Kg) Weight
		ϕD	ϕd	L1	L	H	H1	$\phi D0$	
Straight- through 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	

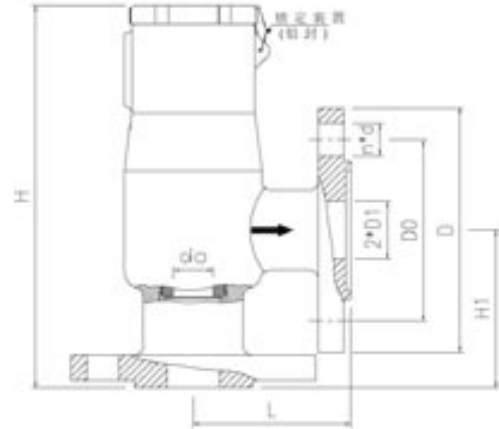
Flange connection full lift safety valve



Technical parameters

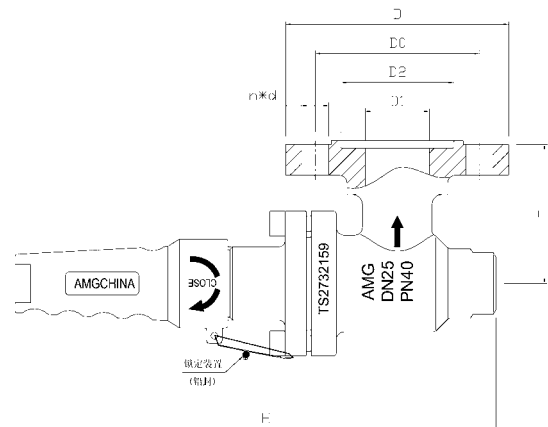
Nominal pressure: 2.5MPa
Test pressure: 3.75MPa

Applicable temperature: -50°C~+150°C
Applicable medium: ammonia, fluorine, propane, propylene, etc.



Valve Type	DN	H1	H	L	D	D0	d0	D1	nxd	kg
		mm								
A42F-25	15	81	167	66	95	65	12	22	4X14	
	20	81	167	66	105	75	12	22	4X14	
	25	82	183	86	115	85	18	30	4X14	
	32	95	219	95	135	100	22	38	4X18	
	50	111	287	95	135	100	34	45	4X18	

Locking stop valve



Valve Type	DN	H	L	D	D0	D1	D2	nxd	kg
		mm							
J64-25S	15	190	57.3	95	65	22.5	40	4X14	2.2
	20	190	61.2	105	75	27.5	51	4X14	2.5
	25	226	73	115	85	34.5	58	4X14	3.5
	32	226	75	140	100	41.5	66	4X18	4.1
	40	295	86	150	110	43.5	76	4X18	6.1
	50	295	88.1	165	125	61.5	88	4X18	7

A22F-25
A12F-25

A22f-25 full lift safety valve with external thread connection
A12f-25 full lift safety valve with internal thread connection



Technical parameters

Nominal pressure: 2.5MPa Applicable temperature: $-50^{\circ}\text{C} \sim +150^{\circ}\text{C}$
Test pressure: 3.75MPa

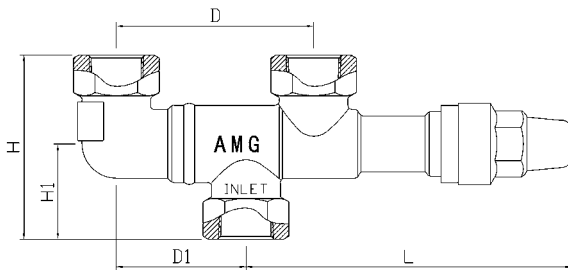
Applicable medium: ammonia, fluorine, propane, propylene, etc.



Valve Type	DN	H	L	D	D0	d0	kg
		mm					
A22F-25 A12F-25	15	135	50	35	18	12	
	20	135	50	35	22	12	
	25	160	60	45	27	18	
	32	195	70	55	35	22	
	40	255	80	65	42	34	

LST15-32

LST15-32 Three way switching valve



Technical parameters

Nominal pressure: 2.5MPa
Test pressure: 4.0MPa

Applicable temperature: $-45^{\circ}\text{C} \sim +150^{\circ}\text{C}$
Applicable medium: ammonia, fluorine, propane, propylene, etc.



Name	Type	Size (mm)						
		进口连接尺寸	出口连接尺寸	H	H1	L	D	D1
Three way switching valve	LST15	1/2"-FPT	1/2"-FPT	86	44.5	152.5	92	60.5
	LST20	3/4"-FPT	3/4"-FPT	86	44.5	152.5	92	60.5
	LST25	1"-FPT	1"-FPT	102	51	203	150	95
	LST32	1-1/4"-FPT	1-1/4"-FPT	102	51	203	150	95