

Series PVF

Angle seat valves with AISI 316 or 304 stainless steel body.

2-way N.C. angle seat valve. Threaded ports (Designed to prevent water hammer) - 1/2" ... 3"

PNEUMAX FLUID CONTROL

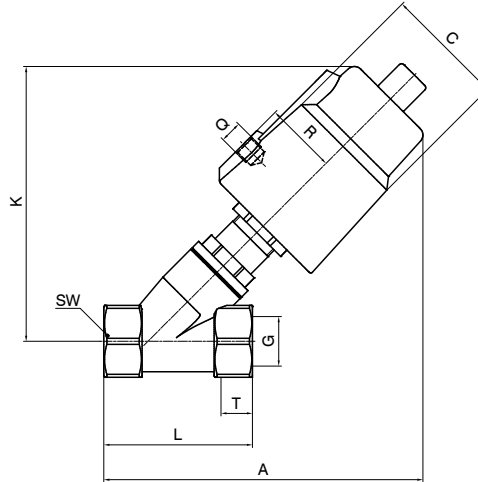


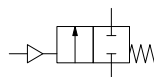
Table of dimensions

CODE	☉ = Function		G connection	Actuator (mm)	C (mm)	R (mm)	K (mm)	Q (mm)	T (mm)	A (mm)	L (mm)	SW (mm)	☉ = Material	
	N.O.	N.C.											AISI	
PVF40☉15-M	0	1	1/2"	40	50,5	27	111	1/8"	15	119	68	27	304	316
PVF50☉15-M				50	60	33	124			131				
PVF50☉20-M			3/4"	50	60	33	132	1/8"	16	140	75	32		
PVF50☉25-M				50	60	33	136			145				
PVF63☉25-M			1"	63	75	41	162	1/8"	17	169	90	40		
PVF63☉32-M				63	75	41	174			187				
PVF90☉32-M			1-1/4"	90	106	55	223	1/8"	21	235	116	50		
PVF63☉40-M				1-1/2"	63	75	41			175				
PVF90☉40-M			90		106	55	223	1/8"	21	235	116	56		
PVF63☉50-M			63	75	41	183	201							
PVF90☉50-M			90	106	55	232	1/8"	22	250	138	69			
PVF125A☉65-M			2-1/2"	125 (Aluminium)	148	74			302			1/4"		
PVF125A☉80-M			3"	125 (Aluminium)	148	74	313	1/4"	27	372	210	100		

Technical data (N.O. - N.C. versions)

CODE	☉ = Function		G connection	KV (m³/h)	Actuator (mm)	Maximum ΔP (bar) (N.O.)		Maximum ΔP (bar) (N.C.)		Pilot pressure (bar)	☉ = Material		
	N.O.	N.C.				Above seat	Under seat	Above seat	Under seat		AISI		
PVF40☉15-M	0	1	1/2"	4,8	40	16	16	16	13	3 ... 8	304	316	
PVF50☉15-M				4,8	50	16	16	16	14				
PVF50☉20-M			3/4"	10	50	12	16	16	14				
PVF50☉25-M				1"	14	50	3	13	16				8
PVF63☉25-M			14		63	16	16	16	13				
PVF63☉32-M			1-1/4"	23	63	14	13	16	6				
PVF90☉32-M				23	90	/	/	16	16				
PVF63☉40-M			1-1/2"	30	63	14	7	16	5				
PVF90☉40-M				30	90	/	16	16	16				
PVF63☉50-M			2"	70	63	6	5	9	3				
PVF90☉50-M			2"	70	90	/	12	16	10				
PVF125A☉65-M			2-1/2"	107	125 (Aluminium)	/	14	16	9				
PVF125A☉80-M			3"	157	125 (Aluminium)	/	12	12	5				3 ... 10

Pneumatic symbol



Construction characteristics	Technical characteristics (Valve body)	Technical characteristics (Actuator)
<ul style="list-style-type: none"> - High flow rate thanks to body configuration with inclined seating - Anti water hammer functioning with input below poppet - Pneumatically operated valve with stainless steel body, resistant to ambient corrosion - Self-levelling poppet to ensure improved sealing - Optical position indicator - Self-adjusting maintenance free stuffer seals package - Valves may be mounted in all positions <p>OPTIONS (on request):</p> <ul style="list-style-type: none"> - Double acting versions are available on request - Connection type: GAS ISO / NPT 	<ul style="list-style-type: none"> - Material: AISI 316/304 stainless steel - Fluid temperature: -10 °C ... + 180 °C - Ambient temperature: -10 °C ... + 80 °C - Fluid viscosity: max. 600cSt. - Poppet: PTFE - Seals package: PTFE and FKM 	<ul style="list-style-type: none"> - Body: AISI 304 - Pilot fluid: dry or lubricated air, gas and neutral fluids - Fluid temperature: max. +60 °C



2-way N.C. angle seat valve. Welded connection (Designed to prevent water hammer)

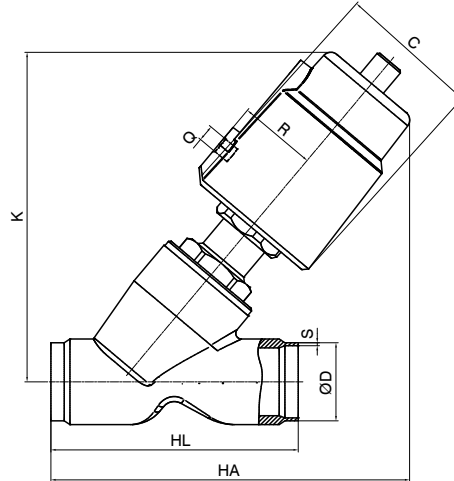


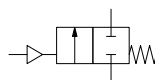
Table of dimensions

CODE	☉= Function		Actuator (mm)	C (mm)	R (mm)	K (mm)	Q (mm)	HA (mm)	HL (mm)	DIN11850-2		DIN11850-3		☉= Material	
	N.O.	N.C.								D	S	D	S	AISI 304	AISI 316
PVF40-15H-M	0	1	40	50,5	27	112	1/8"	118	70	19	1,5	20	2	A	B
PVF50-15H-M			50	60	33	125		128	23						
PVF50-20H-M			50	60	33	132		135	29						
PVF50-25H-M			50	60	33	136		150	30						
PVF63-25H-M			63	75	41	162		175	36						
PVF63-32H-M			63	75	41	174		186	36						
PVF90-32H-M			90	106	55	223		232	42						
PVF63-40H-M			63	75	41	175		190	42						
PVF90-40H-M			90	106	55	223		235	54						
PVF63-50H-M			63	75	41	183		206	54						
PVF90-50H-M			90	106	55	232		250							

Technical data (N.O. - N.C. versions)

CODE	☉= Function		KV (m³/h)	Actuator (mm)	Maximum ΔP (bar) (N.O.)		Maximum ΔP (bar) (N.C.)		Pilot pressure (bar)	☉= Material	
	N.O.	N.C.			Above seat	Under seat	Above seat	Under seat		AISI 304	AISI 316
PVF40-15H-M	0	1	4,8	40	16	16	16	13	3 ... 8	A	B
PVF50-15H-M			4,8	50	16	16	16	14			
PVF50-20H-M			10	50	12	16	16	14			
PVF50-25H-M			14	50	3	13	16	8			
PVF63-25H-M			14	63	16	16	16	13			
PVF63-32H-M			23	63	14	13	16	6			
PVF90-32H-M			23	90	/	/	16	16			
PVF63-40H-M			30	63	14	7	16	5			
PVF90-40H-M			30	90	/	16	16	16			
PVF63-50H-M			70	63	6	5	9	3			
PVF90-50H-M			70	90	/	12	16	10			

Pneumatic symbol



Construction characteristics	Technical characteristics (Valve body)	Technical characteristics (Actuator)
<ul style="list-style-type: none"> - High flow rate thanks to body configuration with inclined seating - Anti water hammer functioning with input below poppet - Pneumatically operated valve with stainless steel body, resistant to ambient corrosion - Self-levelling poppet to ensure improved sealing - Optical position indicator - Self-adjusting maintenance free stuffer seals package - Valves may be mounted in all positions <p>OPTIONS (on request):</p> <ul style="list-style-type: none"> - Double acting versions are available on request 	<ul style="list-style-type: none"> - Material: AISI 316/304 stainless steel - Fluid temperature: -10 °C ... +180 °C - Ambient temperature: -10 °C ... +80 °C - Fluid viscosity: max. 600cSt. - Poppet: PTFE - Seals package: PTFE and FKM 	<ul style="list-style-type: none"> - Body: AISI 304 - Pilot fluid: dry or lubricated air, gas and neutral fluids - Fluid temperature: max. +60 °C

2-way N.C. angle seat valve. Clamp (Designed to prevent water hammer)

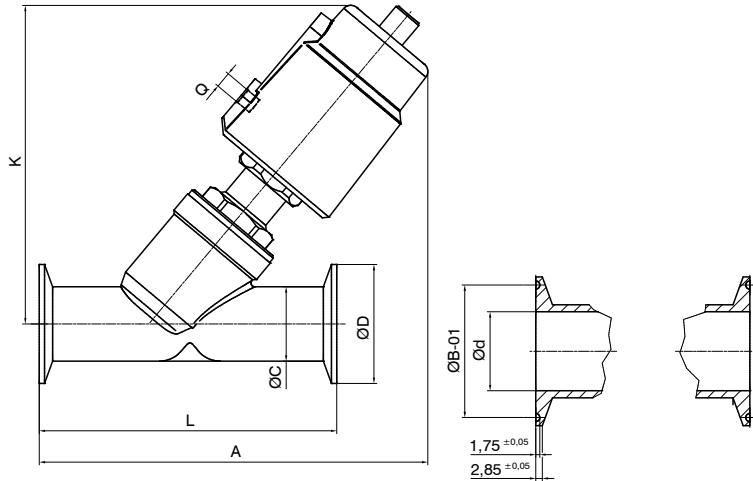


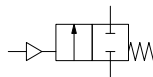
Table of dimensions

CODE	⊕ = Function		Actuator (mm)	A (mm)	K (mm)	Q (mm)	L (mm)	C (mm)	B (mm)	Ød	ØD	⊕ = Material	
	N.O.	N.C.										AISI 304	AISI 316
PVF40⊕15K-⊕	0	1	40	130	115	1/8"	80	19	27,5	15	34	A	B
PVF50⊕15K-⊕			50	140	126								
PVF50⊕20K-⊕			50	158	148		130	25	43,5	19	50,5		
PVF50⊕25K-⊕			50	165	140		130	32	43,5	27	50,5		
PVF63⊕25K-⊕			63	188	166		146	37	43,5	31	50,5		
PVF63⊕32K-⊕			63	200	174								
PVF90⊕32K-⊕			90	245	223		160	40	56,5	33	64		
PVF63⊕40K-⊕			63	210	175								
PVF90⊕40K-⊕			90	255	223		175	53	56,5	45	64		
PVF63⊕50K-⊕			63	221	185								
PVF90⊕50K-⊕	90	265	235										

Technical data (N.O. - N.C. versions)

CODE	⊕ = Function		KV (m³/h)	Actuator (mm)	Maximum ΔP (bar) (N.O.)		Maximum ΔP (bar) (N.C.)		Pilot pressure (bar)	⊕ = Material	
	N.O.	N.C.			Above seat	Under seat	Above seat	Under seat		AISI 304	AISI 316
PVF40⊕15K-⊕	0	1	4,8	40	16	16	16	13	3 ... 8	A	B
PVF50⊕15K-⊕			4,8	50	16	16	16	14			
PVF50⊕20K-⊕			10	50	12	16	16	14			
PVF50⊕25K-⊕			14	50	3	13	16	8			
PVF63⊕25K-⊕			14	63	16	16	16	13			
PVF63⊕32K-⊕			23	63	14	13	16	6			
PVF90⊕32K-⊕			23	90	/	/	16	16			
PVF63⊕40K-⊕			30	63	14	7	16	5			
PVF90⊕40K-⊕			30	90	/	16	16	16			
PVF63⊕50K-⊕			70	63	6	5	9	3			
PVF90⊕50K-⊕	70	90	/	12	16	10					

Pneumatic symbol



Construction characteristics	Technical characteristics (Valve body)	Technical characteristics (Actuator)
<ul style="list-style-type: none"> - High flow rate thanks to body configuration with inclined seating - Anti water hammer functioning with input below poppet - Pneumatically operated valve with stainless steel body, resistant to ambient corrosion - Self-levelling poppet to ensure improved sealing - Optical position indicator - Self-adjusting maintenance free stuffer seals package - Valves may be mounted in all positions <p>OPTIONS (on request):</p> <ul style="list-style-type: none"> - Double acting versions are available on request 	<ul style="list-style-type: none"> - Material: AISI 316/304 stainless steel - Fluid temperature: -10 °C ... +180 °C - Ambient temperature: -10 °C ... +80 °C - Fluid viscosity: max. 600cSt. - Poppet: PTFE - Seals package: PTFE and FKM 	<ul style="list-style-type: none"> - Body: AISI 304 - Pilot fluid: dry or lubricated air, gas and neutral fluids - Fluid temperature: max. +60 °C



▶ 2-way N.C. angle seat valve. Flange mounting (Designed to prevent water hammer)

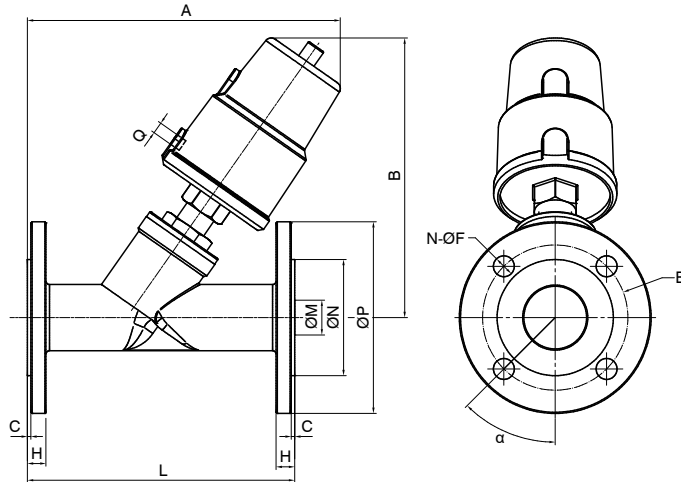


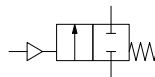
Table of dimensions

CODE	☉ = Function		Actuator (mm)	A (mm)	B (mm)	Q (mm)	L (mm)	C (mm)	H (mm)	ØE	N-ØF	ØM	ØN	ØP	α	☉ = Material	
	N.O.	N.C.														AISI 304	AISI 316
PVF40☉15F-M	0	1	40	135	125	1/8"	130	2	14	65	4-14	16	45	95	45°	A	B
PVF50☉15F-M			50	145	140		150	2	14	75	4-14	19	56	105			
PVF50☉20F-M			50	165	140		160	2	14	85	4-14	26	65	115			
PVF50☉25F-M			50	170	145		180	2	16	100	4-18	31	78	140			
PVF63☉25F-M			63	190	175		180	2	16	100	4-18	31	78	140			
PVF63☉32F-M			63	190	188		200	3	16	110	4-18	38	84	150			
PVF90☉32F-M			90	230	235		200	3	16	110	4-18	38	84	150			
PVF63☉40F-M			63	206	190		230	3	16	125	4-18	49	100	165			
PVF90☉40F-M			90	250	240		230	3	16	125	4-18	49	100	165			
PVF63☉50F-M			63	235	195		230	3	16	125	4-18	49	100	165			
PVF90☉50F-M	90	277	245														

Technical data (N.O. - N.C. versions)

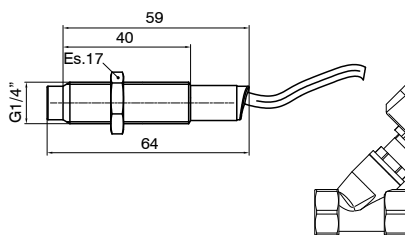
CODE	☉ = Function		KV (m³/h)	Actuator (mm)	Maximum ΔP (bar) (N.O.)		Maximum ΔP (bar) (N.C.)		Pilot pressure (bar)	☉ = Material	
	N.O.	N.C.			Above seat	Under seat	Above seat	Under seat		AISI 304	AISI 316
PVF40☉15F-M	0	1	4,8	40	16	16	16	13	3 ... 8	A	B
PVF50☉15F-M			4,8	50	16	16	16	14			
PVF50☉20F-M			10	50	12	16	16	14			
PVF50☉25F-M			14	50	3	13	16	8			
PVF63☉25F-M			14	63	16	16	16	13			
PVF63☉32F-M			23	63	14	13	16	6			
PVF90☉32F-M			23	90	/	/	16	16			
PVF63☉40F-M			30	63	14	7	16	5			
PVF90☉40F-M			30	90	/	16	16	16			
PVF63☉50F-M			70	63	6	5	9	3			
PVF90☉50F-M	70	90	/	12	16	10					

Pneumatic symbol



Construction characteristics	Technical characteristics (Valve body)	Technical characteristics (Actuator)
<ul style="list-style-type: none"> - High flow rate thanks to body configuration with inclined seating - Anti water hammer functioning with input below poppet - Pneumatically operated valve with stainless steel body, resistant to ambient corrosion - Self-levelling poppet to ensure improved sealing - Optical position indicator - Self-adjusting maintenance free stuffer seals package - Valves may be mounted in all positions <p>OPTIONS (on request):</p> <ul style="list-style-type: none"> - Double acting versions are available on request 	<ul style="list-style-type: none"> - Material: AISI 316/304 stainless steel - Fluid temperature: -10 °C ... +180 °C - Ambient temperature: -10 °C ... +80 °C - Fluid viscosity: max. 600cSt. - Poppet: PTFE - Seals package: PTFE and FKM 	<ul style="list-style-type: none"> - Body: AISI 304 - Pilot fluid: dry or lubricated air, gas and neutral fluids - Fluid temperature: max. +60 °C

Proximity sensor



Ordering code	
PVF.0.S	
OUTPUT TYPE	
01 = NPN (N.C.)	
● 02 = NPN (N.O.)	
03 = PNP (N.C.)	
04 = PNP (N.O.)	

Nickel brass sensor, usable on valves up to size 2 inches for detection ON - OFF

Cable: 2 m

OPTIONS (on request):

A reduction is available for sizes 2 1/2" and 3".

Operational characteristics

Maximum current (mA)	Voltage field (VDC)	Temperature (°C)	Detection distance	IP Rating	Weight (g)
100	10 ... 30	-10 ... +70	3 mm (max) ±10%	IP67	69