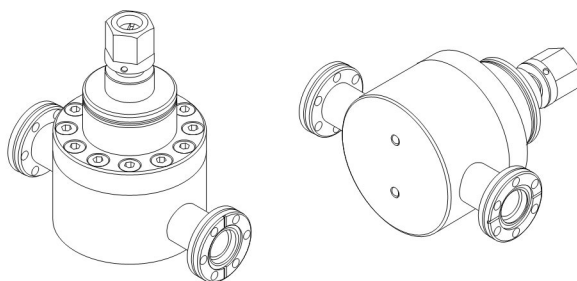


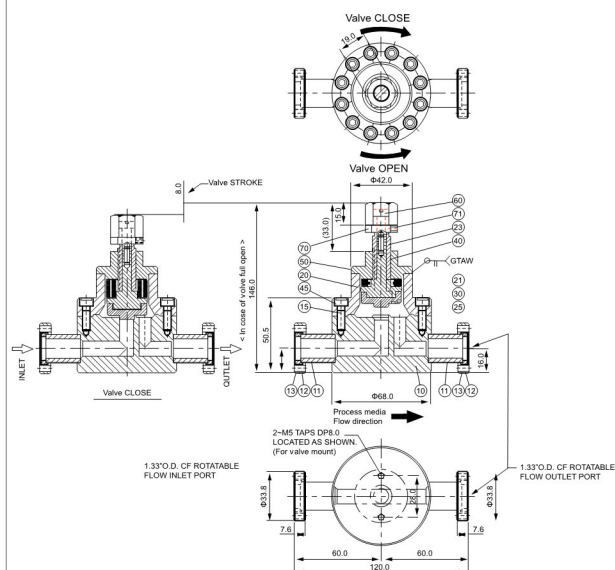
Specification

VYAA- special			All Metal Vacuum Inline Valve / Manually
			Bellows STEM seal (A: SUS316L)
Flange Standards	ISO-CF	CF	CF 1.33"
Valve Actuating type			Manual acting
Fluid			Vacuum in an inert gas system
Operating temperature °C			≤200
Operating pressure Pa (Abs)			1×10 ⁻⁶ – to atmospheric pressure
Conductance L / s ^(Note 1)			Standard material (C1100) 1.0×10 ⁻¹¹ at room temperature (excluding gas permeation)
Leakage Pa·m³/s	Inside	Standard material (FKM) 1.0×10 ⁻¹¹ at room temperature (excluding gas permeation)	
	Outside	Body: SUS304, Bellows: [SUS316L / AM350] Main parts: SUS304, AL-6061, FKM (Standard seal), C-1100	
Open stroke			7.5mm
Number of Handle rotation			5 Turn
Torque			Max. 3.0 N·m
Life cycles			1,000 cycle
Seal distance (A-Value)			120mm

Dimensional drawing



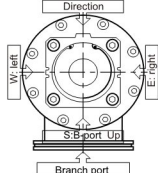
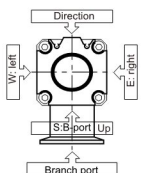
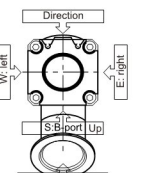
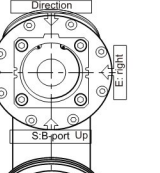
Internal detail



How to Order

Valve **V(A)B(C)** - ① ② - ③ - ④ - ⑤ ⑥ - (⑦)

Model VLAP - □□□ □□-□□ - □ - □□

Series	① Body shape	VLⒶC	L	L-type(Angle valve) 304SS Body											
		VYⒶC	Y	Y-type(Inline valve) 304SS Body											
	② Stem Seal	VⒶAC	A	316L Bellows STEM Seal											
		VⒶBC	B	AM350 Bellows STEM Seal											
		VⒶSC	S	O-Ring STEM Seal											
	③ Operation type	VⒶBP	P	Double Acting (Pneumatic)											
		VⒶBS	S	Single Acting (N.C.)											
		VⒶBM	M	Manual operation											
		VⒶBQ	Q	Double Acting, w/Heater (Pneumatic)											
		VⒶBR	R	Single Acting, w/Heater (N.C.)											
		VⒶBH	H	Double Acting, Heating model(Pneumatic)											
		VⒶBK	K	Double Acting, Heating model, w/Heater(Pneumatic)											
		VLⒶD	D	Double Acting, w/Soft start bypass valve(Pneumatic)											
		VLⒶT	T	Single Acting, w/Soft start bypass valve(N.C.)											
		VLⒶX	X	Single Acting, w/Soft start integrated valve(N.C.)											
		VLⒶW	W	Bonnet gasket seal type, Double Acting (Pneumatic)											
		VLⒶY	Y	Bonnet gasket seal type, Single Acting (N.C.)											
		VLⒶZ	Z	Bonnet gasket seal type, Manual operation											
Port flange	Valve size	①	□□□	016	025	040	050	063	080	100	160	200	250	320	
	Flange Spec.	②	□□ Specific	KF		KQ		KC		CF		JF			
Seal material (Disc, Bonnet, Stem)	③ (Note 1)	□□	N1		ED	S1	FS	R1	R2	R3	P1	P2	U1		
			FKM	NBR	EPDM	VMQ	FFKM	Chemraz®	Chemraz®	Chemraz®	Kalrez®	Kalrez®	ULTIC ARMOR®		
			SS592		SS630		SSE38		4079		9100		UA4640		
			Im case of FFKM (FS), please specify a separate material.												
CDA port position	④ (Note 2)	□ Branch port Lower part	None		E		S		W						
			Rear		Right		Left		Same Direction						
															
Sensor	⑤	□	0		1		2								
	⑥	□	None		1 EA		2 EA								
Solenoid or Heater Mounting	⑦	(G) or (W)	C		N		P		H						
			W8H(TPC)		W9HN(TPC)		W9HP(TPC)		D-*****[SMC]						
Valve	(Note 3)		G: Mounting Solenoid valve(Applicable Model) / W:Heater exclude (Not installed)												
			VLAP- / VLBP- / VLAS- / VLBS- / VLAD- / VLBD- / VLAT- / VLSP- / VLSS- / VLB- / VYAP- / VYAS- / VYBP- / VYBS- / VYSP- / VYSS-												

Modified special		[] ※Please consult our technical department.										
w/Solenoid Valve Spec.	size range	016	025	040	050	063	080	100	160	200	250	320
Single acting	[VAⓈS]	Solenoid Valve Spec.	RDV412-5DZ-01			RDS301-5DZ-01A			[Note 4]	Not Available		
Double acting	[VAⓈP]		DS2120-5HZ-01						RDS5120-5DZ-03			
Solenoid valve maker: TPC / Electric power: DC24V												
w/Heater Spec.	size range	016	025	040	050	063	080	100	160	200	250	320
Type: Silicon Rubber Heater		25W	25W	30W	45W	70W	90W	150W	Not Available			
Temperature Max.: Amb.~150℃ / TC.sensor control: K-Type / Electric power: AC220V												

(Note 1) For standard products, use sealing material of vacuum secretion as a FKM (flammable O-ring).

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(Note 2) Applies only to the double and single operating valves (except VABM-series)

(Note 3) Specifications that are partially changed in standards or standards other than standard products can be specially designed to meet the customer's needs, so please consult with them.

(Note 4) Solenoid valve specification: RDS301-5DZ-02A