

VEN4000C

Slow-Opening Gas Solenoid Valve

The VEN4000C is used for ON/OFF or safety shutoff control of a gas burner, for city gas, natural gas or LP gas. It is available with flow rate, step pressure and slow-opening speed adjustments.

Noiseless operation is reached by employing a DC-energized solenoid with a built-in rectifier.



Specifications

Applicable gas	City gas, natural gas, LP gas
Slow-opening speed	Variable: 2 to 3s (Factory set to 6s)
Valve closing time	1s or less
Full flow rate adjustment	40 to 100% of maximum flow rate
Start flow rate adjustment	0 to 70% of maximum flow rate
Material	Aluminum alloy
Strainer	Built-in strainer
Protective structure	IP65
Ambient temperature	-15 to +60°C
Mounting position	Axis of solenoid coil within ±90° from vertical plane
Conduit connection	CTC19 JIS Conduit tube thread
Approval	EN161 Class A, Group 2

Accessories (sold separately)

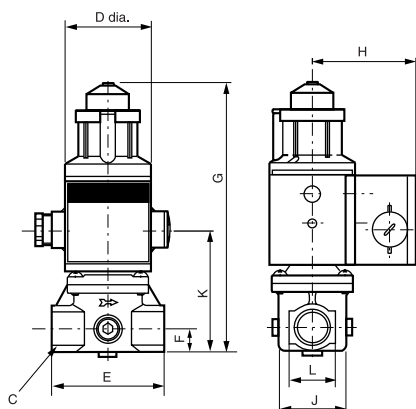
Part No.	Description
MS052501	Valve close position switch for VEN4020C and VEN 4025C
MS054001	Valve close position switch for VEN4032C and VEN 4040C
MS055001	Valve close position switch for VEN4050C
81446362-001	Power supply lamp for 100Vac
81446362-002	Power supply lamp for 200Vac

Selection Guide

Model No.	Piping connection (Rp)	Flow rate (m³/h): Differential pressure 250Pa		Cv value	Maximum operating pressure (kPa)	Power (Vac) 50/60Hz	Power consumption (VA)	Mass (kg)
		Specific gravity 0.65	Specific gravity 1.53					
VEN4010C1100	3/8"	6.8	4.4	4.6	35	100	15	1.2
VEN4010C1200						200	16	
VEN4015C1100	1/2"	7.6	4.9	5.2		100	15	1.3
VEN4015C1200						200	16	
VEN4020C1100	3/4"	18.6	12.0	12.8	20	100	16	2.3
VEN4020C1200						200	20	
VEN4025C1100	1"	21.8	14.1	14.9		100	16	2.4
VEN4025C1200						200	20	
VEN4032C1100	1 1/4"	43.5	28.1	29.8		100	44	6.1
VEN4032C1200						200	48	
VEN4040C1100	1 1/2"	53.6	34.7	36.7		100	44	6.0
VEN4040C1200						200	48	
VEN4050C1100	2"	74.9	48.4	51.3		100	45	6.7
VEN4050C1200						200	56	

Dimensions

(Unit: mm)



Model No.	C (Pipe connection)	D	E	F	G	H	J	K	L
VEN4010C1100	Rp 3/8"	55	72	15	167.5	60	52	75.5	30
VEN4010C1200		55	72	15	167.5	60	52	75.5	30
VEN4015C1100	Rp 1/2"	55	72	15	167.5	60	52	75.5	30
VEN4015C1200		55	72	15	167.5	60	52	75.5	30
VEN4020C1100	Rp 3/4"	63	86.5	24	210	64	71	116.5	45
VEN4020C1200		63	86.5	24	210	64	71	116.5	45
VEN4025C1100	Rp 1"	63	100	24	210	64	78	116.5	47.5
VEN4025C1200		63	100	24	210	64	78	116.5	47.5
VEN4032C1100	Rp 1 1/4"	85	150	33	284.5	75.5	104	174.5	64
VEN4032C1200		85	150	33	284.5	75.5	104	174.5	64
VEN4040C1100	Rp 1 1/2"	85	150	33	284.5	75.5	104	174.5	64
VEN4040C1200		85	150	33	284.5	75.5	104	174.5	64
VEN4050C1100	Rp 2"	95	170	40	304	79.5	129	194	78
VEN4050C1200		95	170	40	304	79.5	129	194	78