

TERAL

Vertical Multistage Centrifugal Pumps

ASVM Stainless steel
AISI304

ASVMN Stainless steel
AISI316

ASVMG Cast iron &
Stainless steel AISI304

50Hz



Certified to
NSF/ANSI 61 & 372
Drinking Water System Components

TERAL INC.

Japan since 1918
Advanced technology from Japan

Applications

Typical application of ASVM, ASVMN, ASVMG series pumps

■ WATER SUPPLY AND PRESSURE BOOSTING

Pressure boosting in buildings, hotels, residential complexes
 Pressure booster stations, supply of water networks
 Pressure boosting for industrial water supply

■ LIGHT INDUSTRY

Washing and cleaning systems
 Car washing facilities
 Fire fighting systems
 Process water systems
 Machine tools (cooling lubricants)

■ HEATING, VENTILATION AND AIR-CONDITIONING

Boilers
 Induction heating
 Heat exchangers
 Cooling towers and systems
 Temperature control systems

■ IRRIGATION AND AGRICULTURE

Greenhouses
 Sprinkler irrigation
 Field irrigation (flooding)

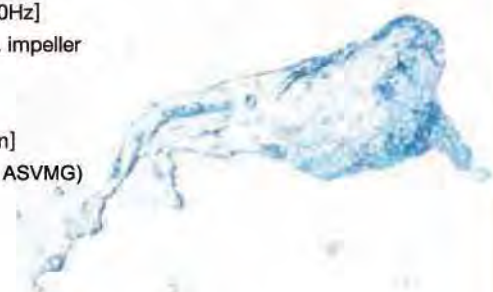
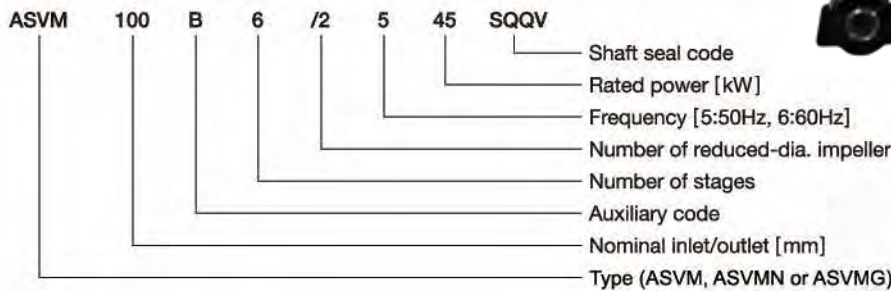
■ WATER TREATMENT

Water softeners and de-mineralization
 Reverse Osmosis systems
 Distillation systems
 Filtration
 Ultra-filtration systems

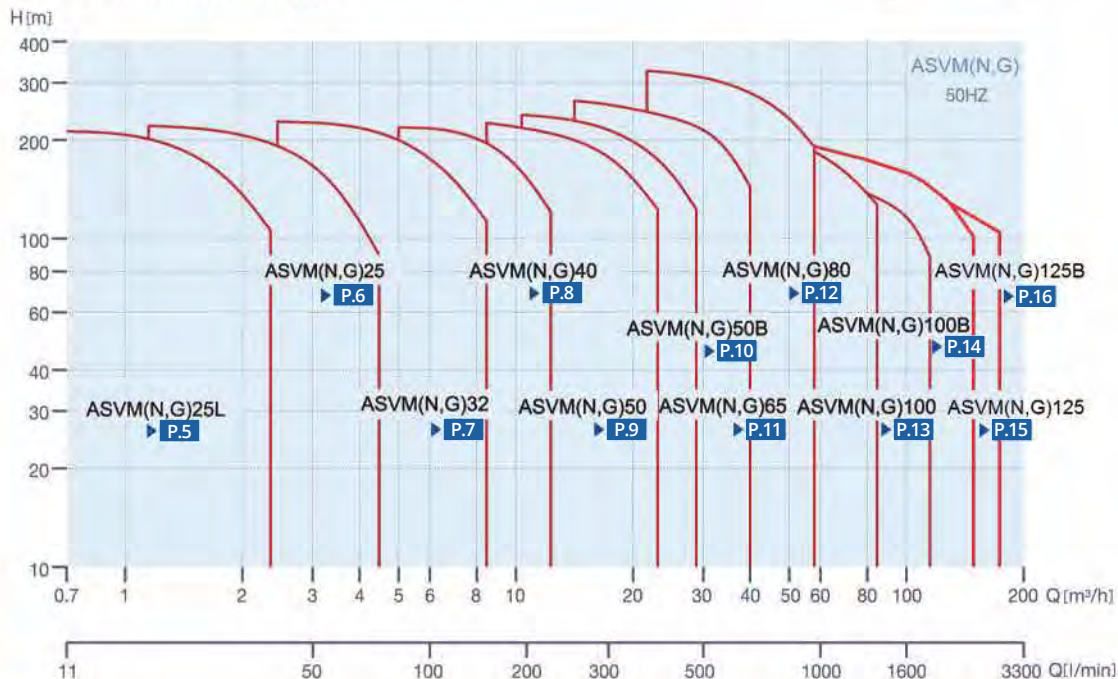


Identification Code

ASVM100B6/2-545 SQQV



Performance range



Standard specification

50Hz	ASVM, ASVMN, ASVMG											
	25L	25	32	40	50	50B	65	80	100	100B	125	125B
Nominal inlet/outlet [mm]	25	25	32	40	50	50	65	80	100	100	125	125
Nominal flow [m ³ /h]	1	3	5	10	15	20	32	45	64	90	120	150
Flow range [m ³ /h]	0.7-2.4	1.2-4.5	2.5-8.5	5-13	8.5-23.5	10.5-29	15-40	22-58	30-85	45-120	60-160	75-180
Max. pressure [bar]	21.5	23	24	21.5	23	24.3	27.5	33	21.8	20	20.4	18.7
Handling fluid	Clear water (PH5.8-8.6, Chloride ion concentration 200mg/L or less) Liquid that does not contain slurry or solids, liquid is inflammable or non-corrosive											
Fluid temperature [°C]	-15°C~120°C (No freezing)											
Motor power [kW]	0.37-2.2	0.37-3	0.37-5.5	0.37-7.5	1.1-15	1.1-18.5	1.5-30	3-45	4-45	5.5-45	11-75	11-75
Material												
ASVM	Stainless steel EN 1.4301/AISI 304/SUS304											
ASVMN	Stainless steel EN 1.4401/AISI 316/SUS316											
ASVMG	Pump body: Stainless steel EN 1.4301/AISI 304/SUS304											
	Pump base: Cast iron EN-GJL-200/ASTM25B/FC200						Pump base: Cast iron EN-GJL-250/ASTM35B/FC250					
Motor												
Mains connection 1-[V/Hz] (Permissible voltage tolerance ± 10%)	220-240V 50Hz											
Mains connection 3-[V/Hz] (Permissible voltage tolerance ± 10%)	0.37-7.5kW 220-240/380-415V 50Hz From 11kW 380-415V 50Hz											
Insulation class	F											
Enclosure class	IP 55 (≤7.5kW) IP54 (≥11kW)											
Ambient temperature	50°C											
Pipe Connection												
Flange	DN 25/32	DN 25/32	DN 25/32	DN 40	DN 50	DN 50	DN 65	DN 80	DN 100	DN 100	DN 125	DN 125
Shaft Seal												
Mechanical Seal	Cartridge type SiC/SiC + Viton (Seal code : SQV)											

Maximum operating and inlet pressure

	Stages	Maximum Operating Pressure	Stages	Maximum Inlet Pressures	Flange pressure rating (PN)
ASVM, ASVMN, ASVMG 25L	2 - 36	25 bar	2 - 36	10 bar	PN 25
ASVM, ASVMN, ASVMG 25	2 - 36	25 bar	2 - 29	10 bar	PN 25
			31 - 36	15 bar	
ASVM, ASVMN, ASVMG 32	2 - 36	25 bar	2 - 16	10 bar	PN 25
			18 - 36	15 bar	
ASVM, ASVMN, ASVMG 40	1 - 16	16 bar	1 - 6	8 bar	PN 16
	17 - 22	25 bar	7 - 22	10 bar	PN 25
ASVM, ASVMN, ASVMG 50	1 - 10	16 bar	1 - 3	8 bar	PN 16
	12 - 17	25 bar	4 - 17	10 bar	PN 25
ASVM, ASVMN, ASVMG 50B	1 - 10	16 bar	1 - 3	8 bar	PN 16
	12 - 17	25 bar	4 - 17	10 bar	PN 25
ASVM, ASVMN, ASVMG 65	1/1 - 7	16 bar	1/1 - 4	4 bar	PN 16
	8/2 - 14	30 bar	5/2 - 10	10 bar	PN 25/40
			11/2 - 14	15 bar	
ASVM, ASVMN, ASVMG 80	1/1 - 5	16 bar	1/1 - 2	4 bar	PN 16
	6/2 - 11	30 bar	3/2	10 bar	PN 25/40
	12/2 - 13/2	33 bar	6/2 - 13/2	15 bar	PN 25/40
ASVM, ASVMN, ASVMG 100	1/1 - 5	16 bar	1/1 - 2/2	4 bar	PN 16
	6/2 - 8/1	30 bar	2/1 - 4/2	10 bar	PN 25/40
			4/1 - 8/1	15 bar	
ASVM, ASVMN, ASVMG 100B	1/1 - 4	16 bar	1/1 - 1	4 bar	PN 16
	5/2 - 6	30 bar	2/1 - 3/2	10 bar	PN 25/40
			3 - 6	15 bar	
ASVM, ASVMN, ASVMG 125	1 - 7	30 bar	1 - 2/1	10 bar	PN 25/40
			2 - 5/1	15 bar	
			6/1 - 7	20 bar	
ASVM, ASVMN, ASVMG 125B	1/1 - 6	30 bar	1/1 - 1	10 bar	PN 25/40
			2/1 - 4/2	15 bar	
			5/2 - 6	20 bar	