

TERAL

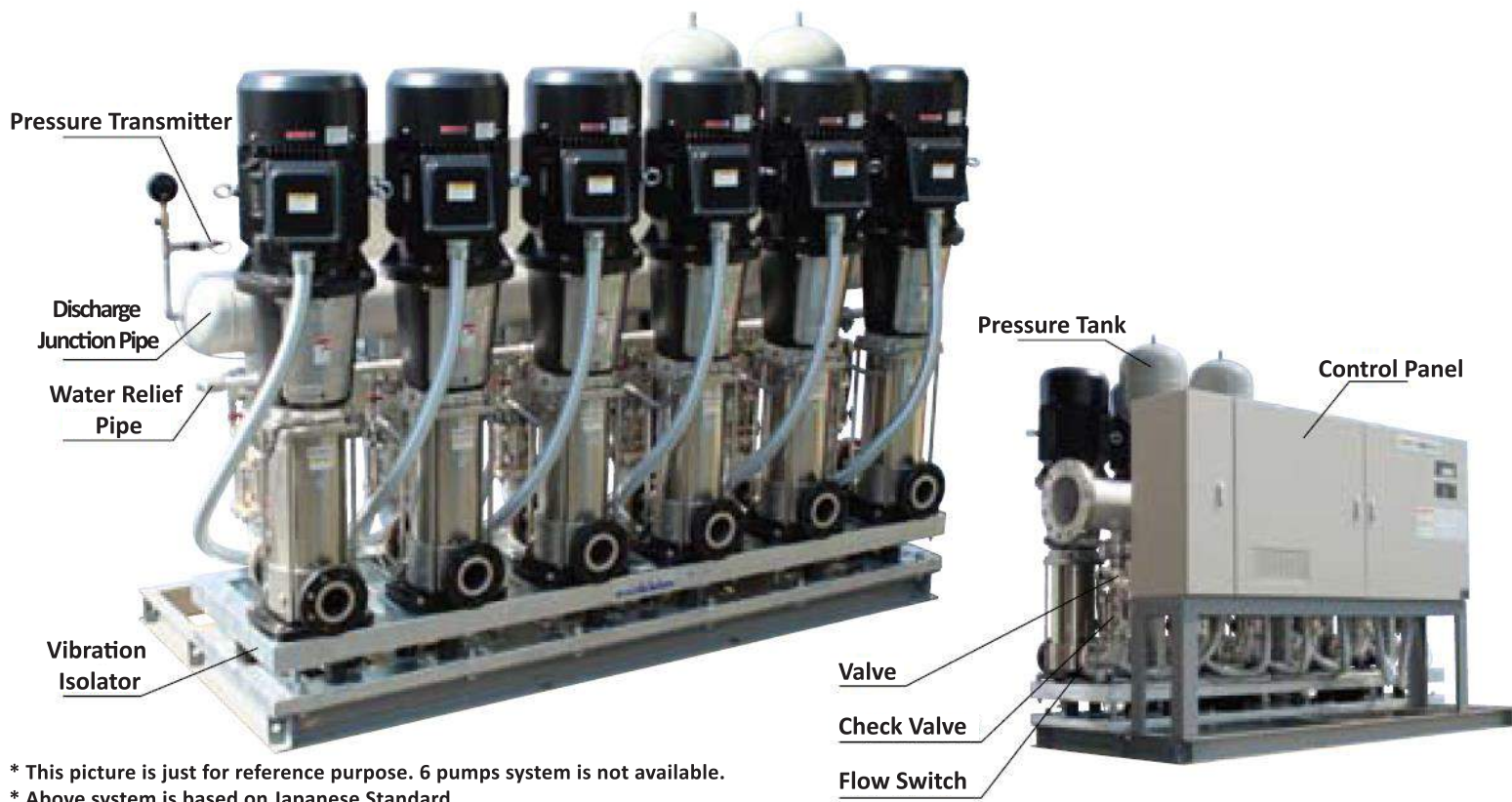
ASVM-VFC water supply system with inverter control

Variable Speed System 50 Hz



Since 1918

Advanced technology from Japan



High Energy-saving Performance:

Features

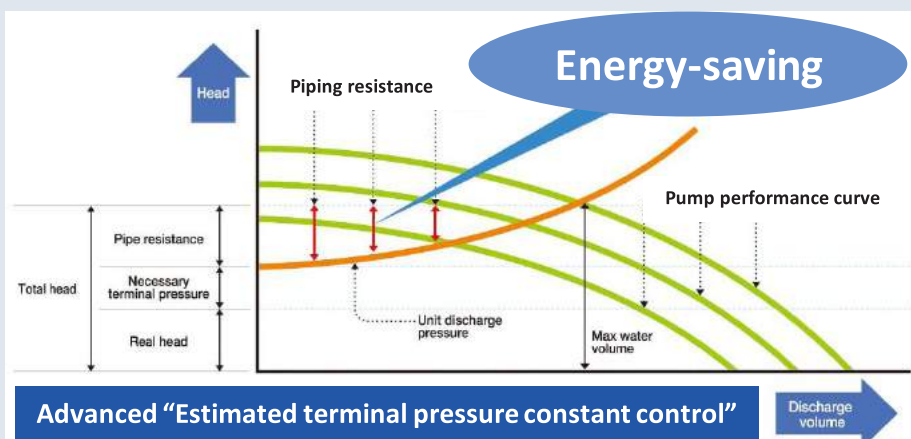
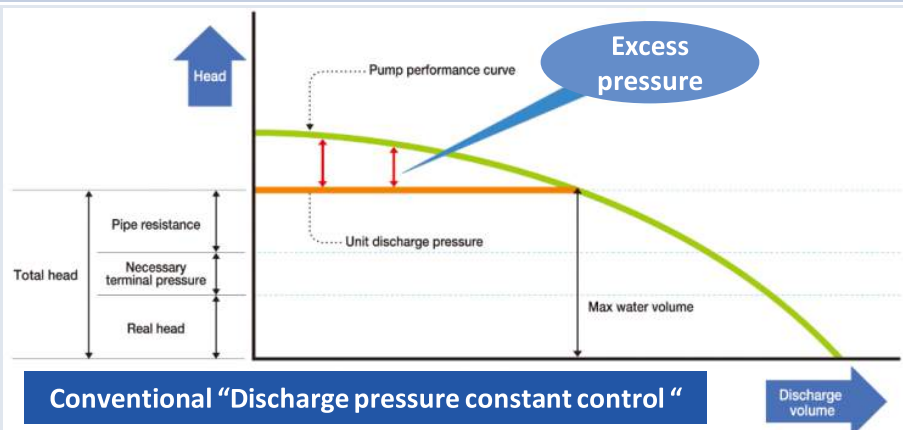
- Estimated terminal pressure constant control
- “Individual Inverter” (Variable Speed Drive) is equipped for each pump.
- The speed of each pump is controlled by “Individual Inverter”.






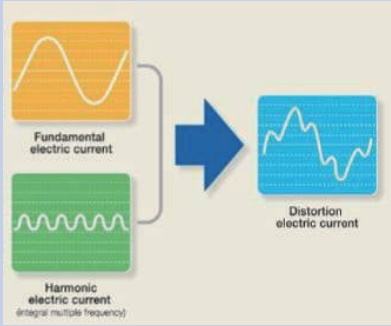
Individual Inverters

Advantages

- “Estimated terminal pressure constant control” can reduce excess pressure to increase energy-saving.

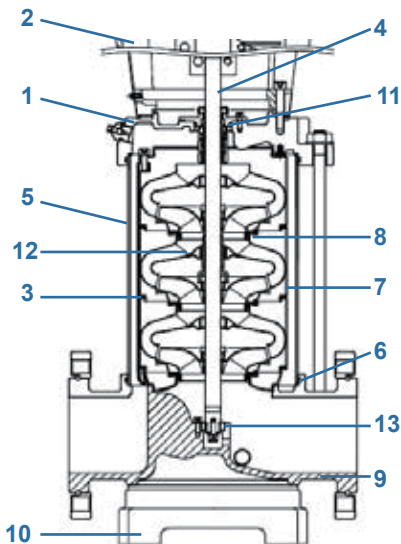


User-friendly and easy to maintain:

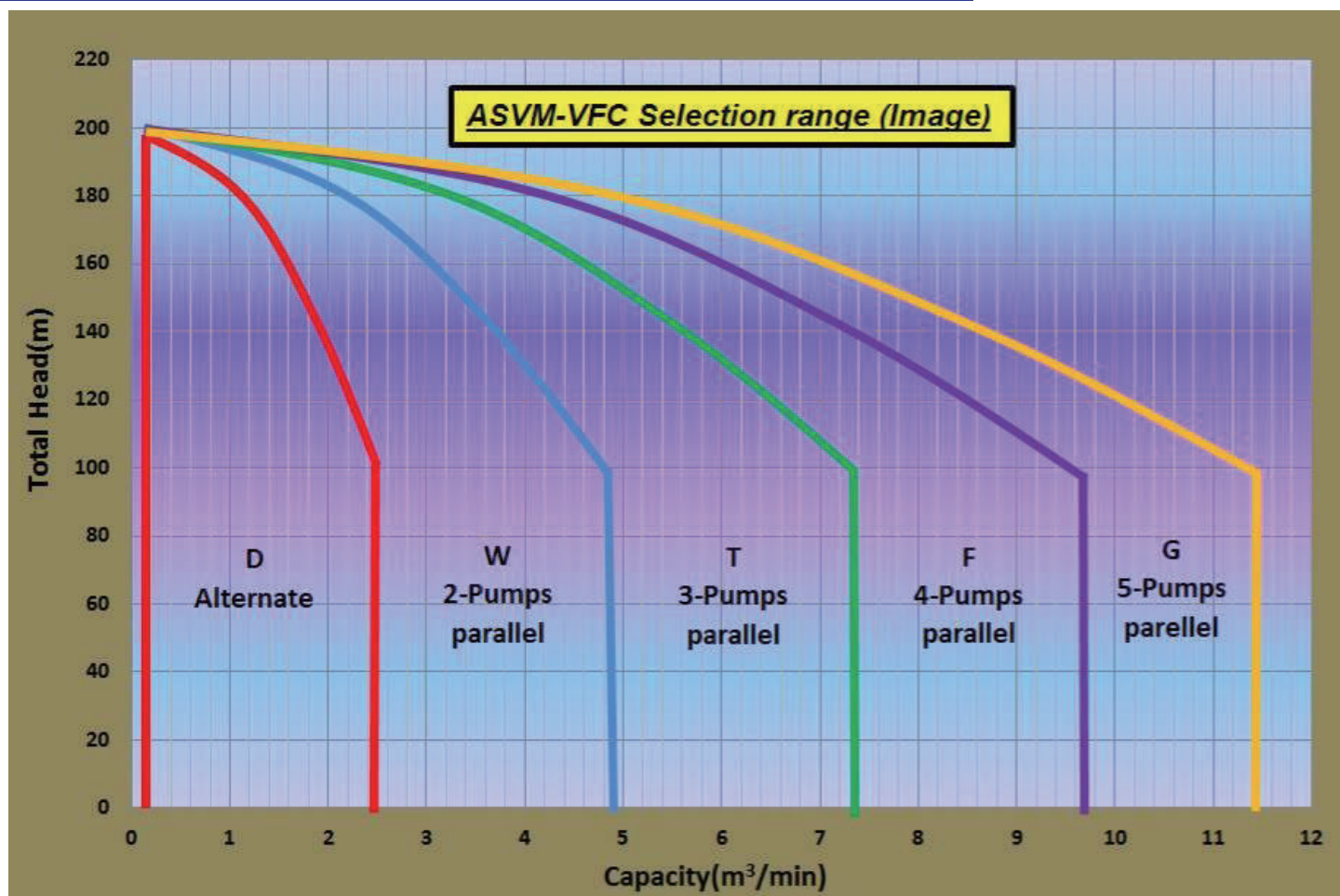
Features	Advantages
<ul style="list-style-type: none">Inverter control is equipped.	<ul style="list-style-type: none">It can reduce noise during starting and stopping.It can prevent “water hammer”.
<ul style="list-style-type: none">Simple design for panel displayVarious alarms and information are displayed and buzzer is equipped. <div></div>	<ul style="list-style-type: none">Setting and adjustment of pressure can be easily operated by control panel.Clear signal to indicate operation errors instantly <div></div>
<ul style="list-style-type: none">“Radio noise filter” is equipped. <div><p>Radio noise filters</p></div>	<ul style="list-style-type: none">To prevent ambient electromagnetic interference <div></div>
<ul style="list-style-type: none">Compact and lighter	<ul style="list-style-type: none">The whole system can be installed at small place.Easy for installation and transportation

3 Types of ASVM Stainless Steel Vertical Multistage Pump Materials

Model:	Pump Body	Pump Base
ASVM	AISI 304 Stainless Steel	AISI 304 Stainless Steel
ASVMN	AISI 316L Stainless Steel	AISI 316L Stainless Steel
ASVMG	AISI 304 Stainless Steel	Cast Iron



Pos.	Name Material	Material
1	Pump Head	Stainless Steel AISI 304 or 316 / Cast Iron
2	Motor Bracket	Cast Iron
3	Impeller	Stainless Steel AISI 304 or 316
4	Shaft	Stainless Steel AISI 431 or 316
5	Outer Sleeve	Stainless Steel AISI 304 or 316
6	O-ring for outer Sleeve	EPDM
7	Chamber	Stainless Steel AISI 304 or 316
8	Neck Ring	Carbon Fiber/POB/PTEF
9	Base	Stainless Steel AISI 304 or 316 / Cast Iron
10	Base Plate	Cast Iron
11	Mechanical Seal	SiC/SiC/Viton
12	Bearing Ring	Bronze or POB/Graphite filled PTFE
13	Bottom Bearing Ring	Tungsten Carbide/Tungsten Carbide



Operation method		D : Automatic alternate operation W : Automatic alternate parallel operation W3 : 2-pump Parallel, 3-pump Rotation T3 : 3-pump Parallel, 3-pump Rotation T4 : 3-pump Parallel, 4-pump Rotation F4 : 4-pump Parallel, 4-pump Rotation F5 : 4-pump Parallel, 5-pump Rotation G5 : 5-pump Parallel, 5-pump Rotation
Control method		Estimated terminal pressure constant control / Discharge pressure constant control by frequency control
Liquid to be handled	Quality	Clear water
	Temperature	0 to 40°C
Installation place		Indoors (0 to 40°C, RH 85% or less, no dew condensation allowed), Altitude 1,000 m or less
Suction condition		Inflow (inflow pump head: up to 5m)*1
Pump (material)		ASVM type stainless Vertical type multistage pump (Stainless : EN1.4301/AISI304,SUS304)
Motor	Type	Totally-enclosed-fan-cooled motor
	Enclosure Class	IP55(≤7.5kW), IP54(≥11kW)
	Pole number	2 poles
Companion flange		DN Flange or Screw End
Power supply		0.75kW to 45kW : 3-phase 220,240,380,415V (50Hz) 220,380,440V (60Hz)
Manifold Type		Galvanized Iron or *Option: SS304, SS316, ABS (customised)
Pressure tank		20L Diaphragm tank
Pressure detector		Pressure transmitter
System Warranty		Transmission method: DC5V 3-line type / Output voltage: Between 0.5 and 3.5V DC Teral ASVMG-VFC booster system supplied to a warranty of 18 months from date of delivery or 12 months from date of testing & commissioning, whichever is earlier.



ISO 9001 Quality management system



ISO 14001 Environmental management system

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