



# DW 6+7

With the introduction of the DW6+7 pumps, we have completed the DW range. The total range consists of 24 pumps handling capacities from 3 L/100 rev. to 1016 L/100 rev. (365 m<sup>3</sup>/h).

The extension covers 8 pumps ranging from 172 L/100 rev. up to 1016 L/100 rev. The pressure range is 7- 30 bar.

The DW 6+7 combines the industrial demand of high efficiency and high capacity with the demand for large-scale pumps used in hygienic applications. The sizes of the new pumps are quite unique in the field of positive displacement pumps.

As the pumps are a continuation of the existing DW range (1 to 5) all the well-known features are remained.



Model number	Rotor type	Max. displacement (Litres per 100 revs)	Max. pressure (Bar)	Max. speed
DW6/172/15	Piston	172	15	800
DW6/198/30	Lobe	198	30	800
DW6/308/15	Lobe	308	15	800
DW6/519/07	Lobe	519	7	800
DW7/370/15	Piston	370	15	600
DW7/420/30	Lobe	420	30	600
DW7/725/15	Lobe	725	15	600
DW7/1016/07	Lobe	1016	7	600

**Features and Benefits**

- **Designed for hygienic applications**  
The pumps are EHEDG and 3A certified unlike most of the large-scale pumps made by our competitors. The pump is a 100% stainless steel pump.
- **High speed pumps**  
The outstanding design enables the pumps to run at high speed. The DW 6 is capable of running up to 800 rpm and the DW 7 600 rpm.
- **Easy maintenance**  
Always a main issue for APV Products. The DW 6+7 has front loaded mechanical seals enabling a change of all product seals from the front. No dismounting of the pump is required.
- **Gentle product handling**  
The patented design of the circumferential piston rotors as well as the design of the bi-lobe rotors insures a gentle product handling minimizing the risk of damaging sensitive products. Furthermore the special designed inlet which is partly behind the rotors enables better filling of the pump i.e minimizing internal cavitation.

The DW6+7 can handle sensitive products such as fruit juice, cheese curds, whey, soft fruit etc.

- **Increased efficiency and reliability**  
The rotors can now be supplied in NGA (Non Galling Alloy). This is typically used in dosing or low viscosity applications. The NGA material is unique in the way that it can touch the pump house without damaging the pump. I.e extremely low tolerances can be applied without decreasing the reliability.
- **Low noise levels**  
Patented rotor design together with helical gears reduce the noise level to a minimum.
- **Aseptic version**  
The pumps can be supplied in an aseptic version. This requires a special designed front cover together with double mechanical shaft seals.



**Technical data**

<b>Elastomer</b>	EPDM, FPM All seals comply with the FDA requirements
<b>Product - contact parts</b>	AISI 316L
<b>Rotors</b>	Lobe: High efficiency - 110° Multi duty - 110° High temperature - 180° NGA Piston: High efficiency - 110° Multi duty - 110° NGA

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