The table shown below gives a general guide as to the various types of Alfa Laval pump that may be required to suit the application.

General Requirements	Centrifugal	Liquid Ring	Rotary Lobe
Product/Fluid Requirements			
Max. Viscosity	1000 cP	200 cP	1000000 cP
Max. Pumping Temperature	140°C (284°F)	140°C (284°F)	200°C (392°F)
Min. Pumping Temperature	- 10°C (14°F)	- 10°C (14°F)	- 20°C (-4°F)
Ability to pump abrasive products	Not recommended	Not recommended	Fair
Ability to pump fluids containing air or gases	Not recommended	Recommended	Fair
Ability to pump shear sensitive media	Fair	Not recommended	Recommended
Ability to pump solids in suspension	Fair	Not recommended	Recommended
CIP capability (sanitary)	Recommended	Recommended	Recommended
Dry running capability (when fitted with flushed/quench mechanical seals)	Recommended	Recommended	Recommended
Self Draining capability	Recommended	Recommended	Recommended
Performance Requirements			
Max. Capacity - m^3/hr	440	80	115
Max. Capacity - US gall/min	1936	352	506
Max. Discharge Pressure - bar	20	5.5	20
Max. Discharge Pressure - psig	290	80	290
Ability to vary flow rate	Fair	Not recommended	Recommended
Suction Lift capability (primed wet)	Recommended	Recommended	Recommended
Suction Lift capability (unprimed - dry)	Not recommended	Not recommended	Fair
Drive Availability			
Air motor	No	No	Yes
Diesel engine	No	No	Yes
Electric motor	Yes	Yes	Yes
Hydraulic motor	Possible	Possible	Yes
Petrol engine	No	No	Yes
Compliance with International Standards and Guidelines			
3-A	Yes	Yes	Yes
FDA	Yes	Yes	Yes
EHEDG	Yes	No	Yes