

Smart Pump type comparison table

Pump Type	Chamber Pump	Dual Piston Pump	Air Driven Pump
Series	CP-####-##	RS-####-##	AD-####-##
Smart Pump types	Membrane	Dual piston	Air pump
Operating principle	Positive displacement	Positive displacement	Pressure operated
Application	Dose/meter/transfer	Dose/meter/transfer	Transfer
Primary drive system	Electro-hydraulic	Electro-hydraulic	Air or gas
Wear parts	none	piston seals	none
Maximum Pressure (Bar)	138	138	30
Min flow starting from (l/min)	0,001	0,001	0,6
Max flow rate up to (m3/h)	55	55	240
Turn down ratio	100 to 1	100 to 1	30 to 1
Suction (Bar)	0,6+	0,6+	0,6+
Flow accuracy (+/-%)	2 %	2 %	5 %
Max solids (mm)	100	100	100
Corrosive	yes	yes	yes
Abrasive	yes	no	yes
Viscosity (cps)	500,000	500,000	50,000
Max temperature (degC)	200	200	200
Pulsation	no	no	minimal
Shear	no	no	no
Self priming	yes	yes	yes
Can be run dry	yes	no	yes
Can hold pressure	yes	yes	yes
Automation	100 %	100 %	100 %
Control	Local & remote	Local & remote	Local & remote
Alarm system	yes	yes	yes
Heating/cooling	option	option	option
ATEX	option	option	option
FDA	option	option	option
Data logging	option	option	option
Digital Manufacturing	yes	yes	yes