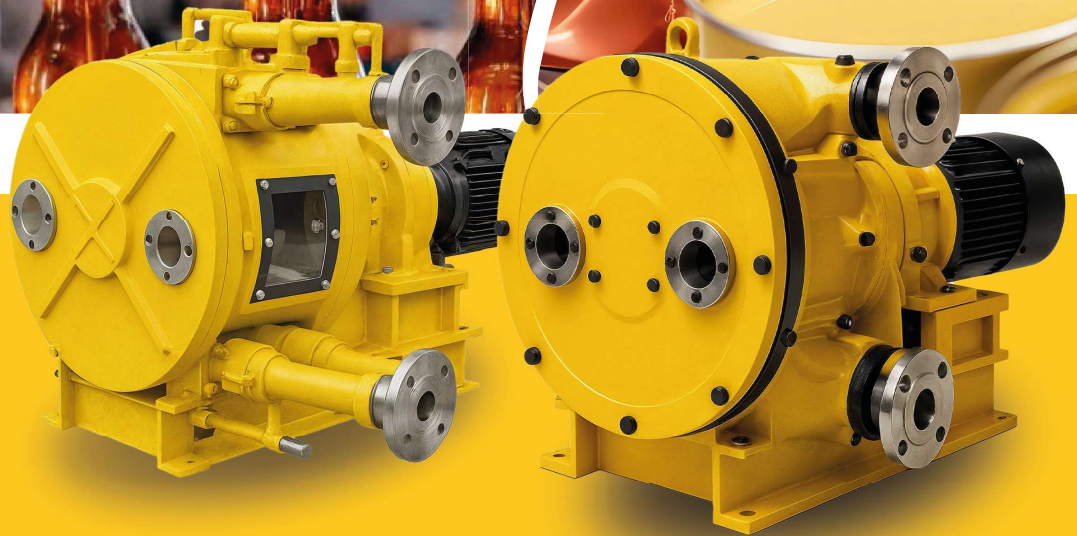


KENDALL PUMPS

PERISTALTIC KP - SERIES



**SINGLE AND DOUBLE SERIES
“PERISTALTIC PUMP”**

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GENERAL

Kendall Pumps is a U.S. brand focused on peristaltic pump engineering. We are committed to continuously improving the performance and life of our pumps. Therefore, we use top-quality components across our products. The motors, gearboxes, and bearings in our hose pumps are sourced from trusted U.S. and global suppliers. At the same time, we continuously refine the raw-material formulation of our hoses, delivering service life comparable to leading peristaltic pump manufacturers worldwide.

We produce better peristaltic pumps with highest quality

Unlike most other peristaltic pump brands, we insist on not using any lubricant in our pumps. It is easy to replace hoses on our pumps, and hose changes maintain service life comparable to other brands—without concerns about environmental pollution caused by oil leakage.

In the manufacture of our hose pumps, we adhere to rigorous U.S. product quality standards. All products are 100% tested before leaving the factory. At the same time, throughout the lifetime use of our products, we provide complete after-sales technical support to ensure customers can use our products with confidence.

WHY KENDAL PERISTALTIC PUMP SERIES?

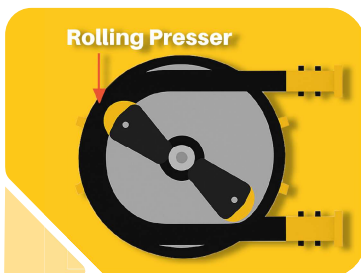


Long Service Life Peristaltic Pump Hose

Long Service Life Peristaltic Pump Hose The hose is one of the core components of a peristaltic pump. The quality of the hose determines the life and performance of the peristaltic pump. A good hose can maximize the function of the peristaltic pump. Peristaltic pump hose is generally composed of three layers: the inner layer, the middle layer and outer layer. The inner layer is a special material layer in direct contact with the fluid. Depending on the physical properties of the fluid, the inner layer will use different materials. The middle layer is a reinforcement layer, mainly used to strengthen the hose strength and resistance to crush life. The outer layer is friction resistant and wraps around the ribs inside the reinforcement and withstands the sliding or rolling friction of the peristaltic pump rotor shoe or rollers.



The Kendall Peristaltic Pump's hoses have an inner layer of high-quality special rubber that is suitable for use with corrosive and abrasive fluids. The middle layer of reinforcement in The Kendall Peristaltic Pump's is made of high-quality nylon, enabling the hose to withstand pressures up to 16 bar and providing excellent fatigue resistance. The outer layer is made of high-quality wear-resistant rubber, which strengthens the hose and at the same time offers very good wear resistance, withstanding long rolling friction and the high temperatures generated by friction, thus greatly extending the life of the hose. In addition, the shape of each hose in The Kendall Peristaltic Pump's range is machined to a high degree of precision to ensure that the hose fits the pump perfectly.



No Need of Lubricant

Meanwhile, all The Kendall Peristaltic Pump's hose-pump series use sliding rollers as the extrusion device, so the pump cavity does not need to be filled with any lubricating oil. As a result, our peristaltic pump series are characteristically lower in maintenance cost, allow easy hose replacement, shorten downtime, and avoid contamination of the environment or the material.

MEANING OF THE MODEL



unexpectedly, for special reasons, the lubricant in an oil-filled pump cavity may penetrate directly into the conveyed material, resulting in serious contamination of the product. This can affect sensitive media to be pumped, such as pharmaceuticals or foodstuffs, with very serious consequences.

Meanwhile, all Kendall Peristaltic Pump Hose series use sliding rollers as the extrusion mechanism, so the pump cavity does not require any lubricating oil. As a result, our peristaltic pump series feature characteristically lower maintenance costs, easy hose replacement, short downtime, and no contamination of the environment or the material being pumped.

High Performance Reducer The gearbox is also one of the core components of the hose pump and one of the determining factors for the life of a peristaltic pump. The gearbox greatly increases the torque of the central shaft by reducing the speed of the motor, thus driving the hose-pump rotor to compress the hose and transfer the material.

Fluid types peristaltic pumps suit to A peristaltic pump is very ideal for pumping the below fluid types which are hard for other pump types to handle:

On all Kendall peristaltic pumps, top-grade gearboxes are applied, offering small size, high torque, long life, and quiet operation. Each reducer is carefully adjusted and tested before delivery. Kendall Pumps peristaltic pumps are designed to work well throughout their lifetime without special or additional maintenance.

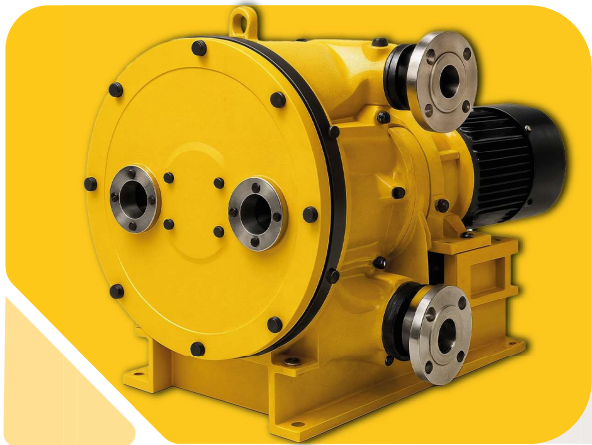
Fluid types peristaltic pumps suit to

A peristaltic pump is very ideal for pumping of below fluid types which are hard for other pump types to handle:

High Viscosity	Toxic Liquid	Corrosive Liquid	Abrasive Fluid	Dosing Required Fluid
Glue, honey etc	Cyanide, catalyst etc	Acid or alkaline liquids	Slurry and concrete	Dosing in chemical industry

High Pureness Fluid	Bad Flowability Media fibersand long	Fluid containing	Shearing Sensitive Liquid
Edible oil, wine, biotechnology and pharmacy	Mud-like material, cosmetics etc.	Domestic sewage and industrial waste water	Delivery of shrimp for fishery industry; Fruit particles food industry

TECHNICAL SPECIFICATION (SINGLE HOSE SERIES)

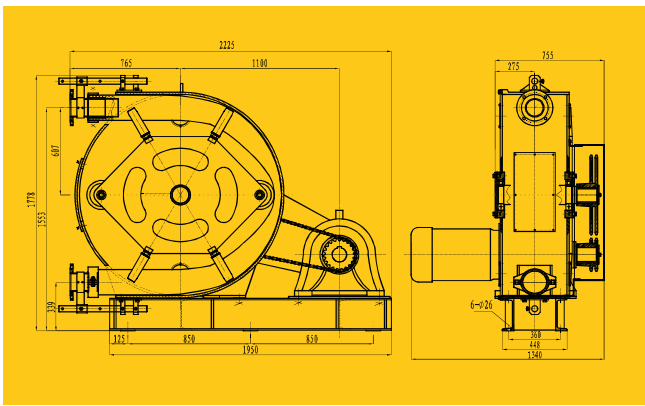
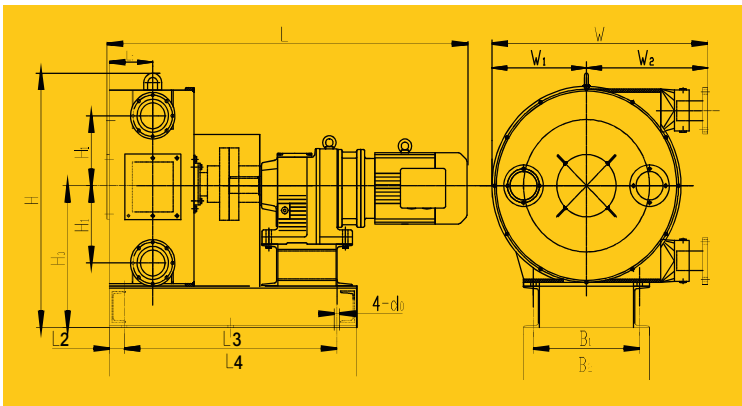


MODEL KPS

- Material: carbon steel / SS304(pump body) / SS316L (pump body)
- Lubricant: no need
- Hose: NR (natural rubber), EPDM (Ethylene Propylene Diene Monomer), NBR (Nitrile-butadiene rubber), NR-F, Neoprene, Silicon Rubber, CSM(Hypalon)

ITEM	KPS10	KPS20	KPS25	KPS32	KPS40	KPS50	KPS65	KPS75	KPS100	KPS125
Rated Power (Kw)	0.37	0.75	1.1	1.5	2.2	4	5.5	7.5	15	22
Nomal Flow Rate (l/h)	60	300	500	1000	2500	6000	11000	20000	30000	50000
Max. Discharge Pressure (Mpa)	1.2	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8	0.8
Speed (rpm)	43	43	35	43	50	50	43	50	21	20
Max. Temperature (C °)	90	90	90	90	90	90	90	90	90	90

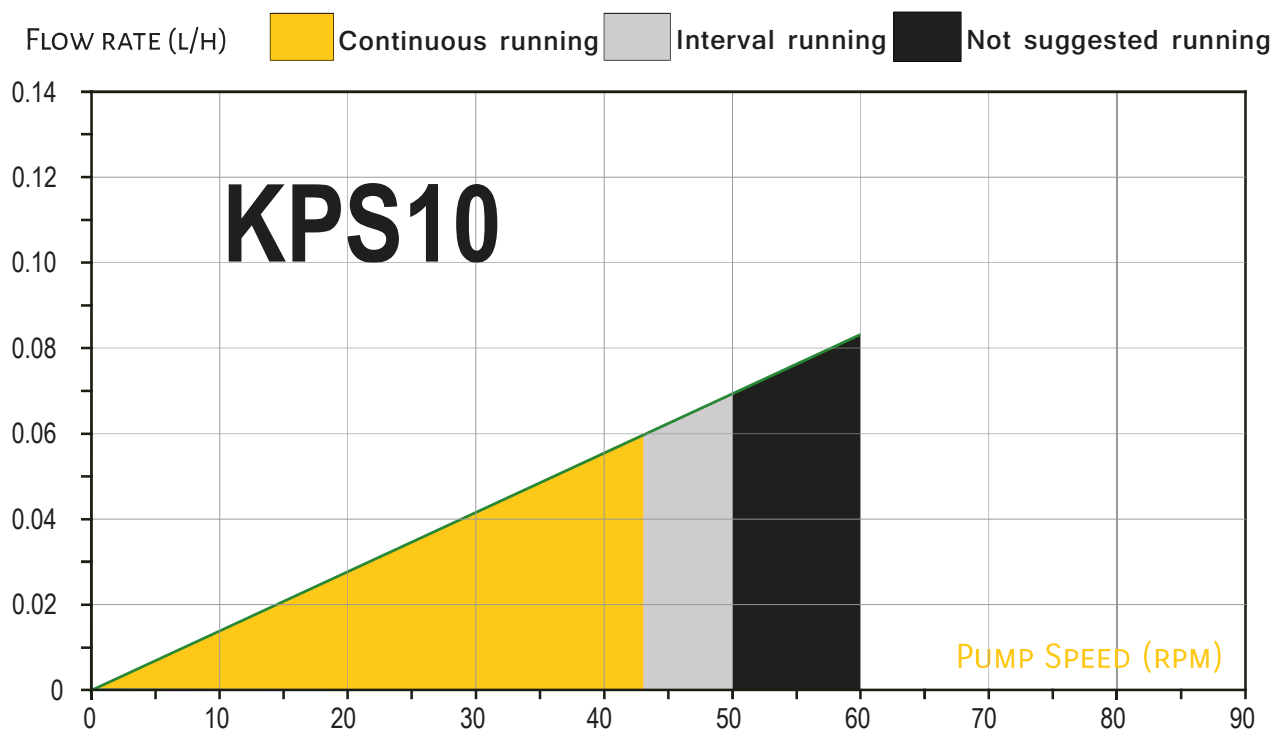
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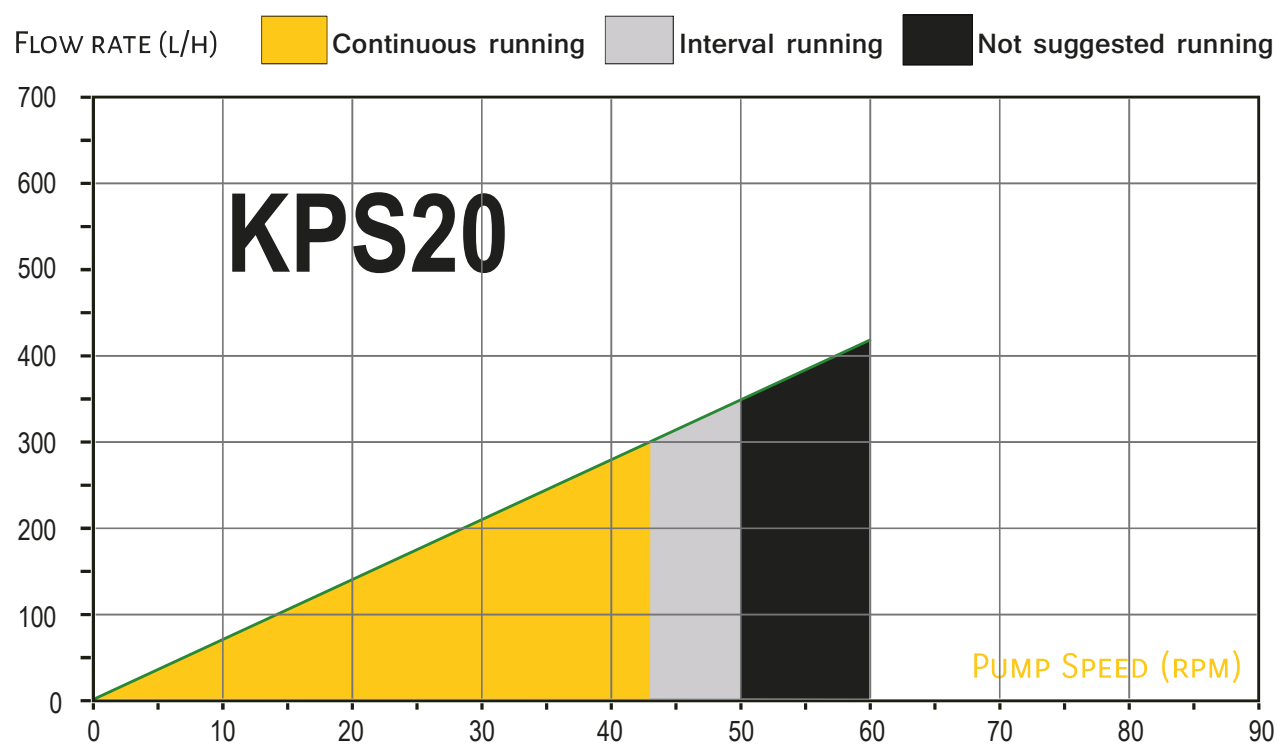
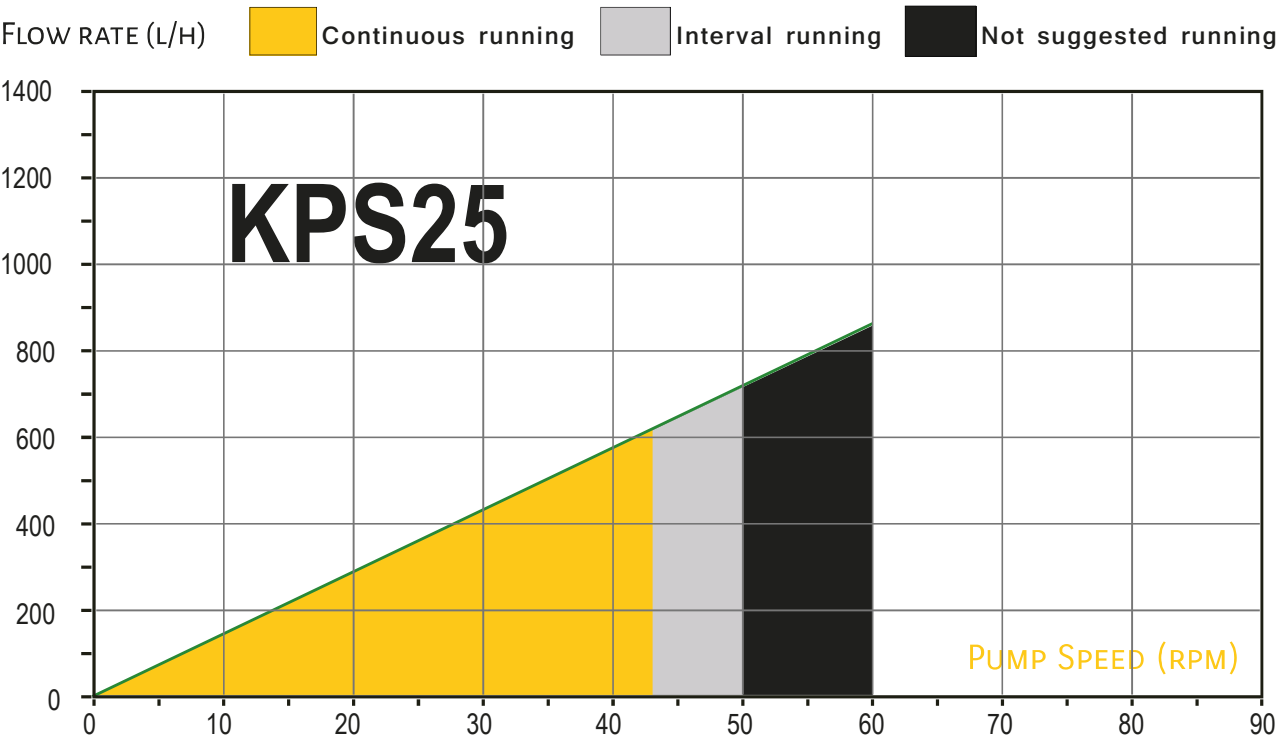
TECHNICAL SPECIFICATION (SINGLE HOSE SERIES)

MODEL	L	L ₀	L ₂	L ₃	L ₄	H	H ₀	H ₁	W	W ₁	W ₂	B ₁	B ₂	d ₀	d _g
KPS10	535	59	20	330	370	292	174	68	250	85	165	105	145	11	10
KPS20	735	93	30	395	455	394	228	86	377	130	247	130	165	12	20
KPS25	872	100	25	400	545	524	326	115	466	156	310	225	275	16	25
KPS32	894	107	25	530	580	565	328	138	492	187	305	220	270	16	32
KPS40	970	115	50	480	635	590	320	160	482	212	270	255	305	16	38
KPS50	1065	137	50	650	750	685	368	215	725	270	455	330	380	18	50
KPS65	1440	165	75	800	1000	955	526	282	810	352	458	400	456	22	65
KPS75	1460	75	60	860	1000	980	545	282	872	382	490	430	490	22	76
KPS90	1510	218	58	860	1020	1200	645	382	1089	488	601	660	720	22	90
KPS100	1650	220	58	880	1060	1205	650	390	1100	490	605	660	720	26	125

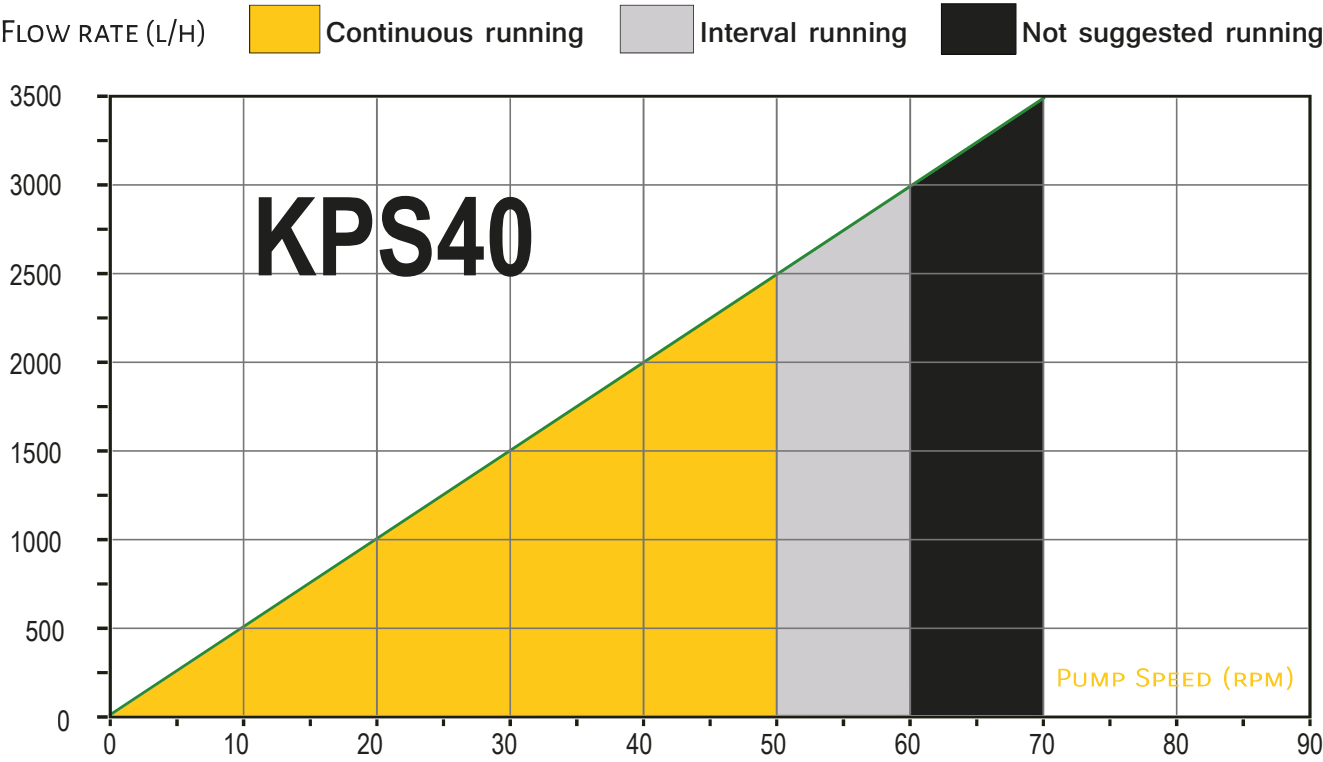
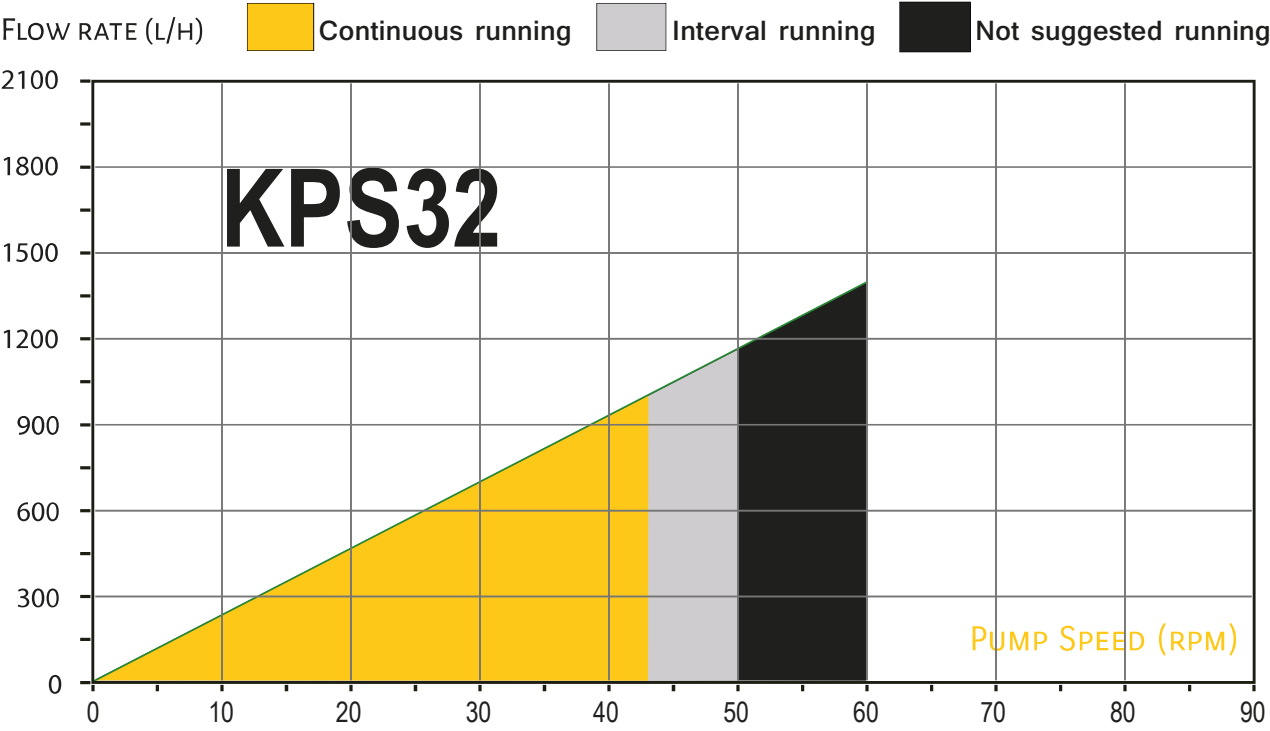
CURVE GRAPH



CURVE GRAPH

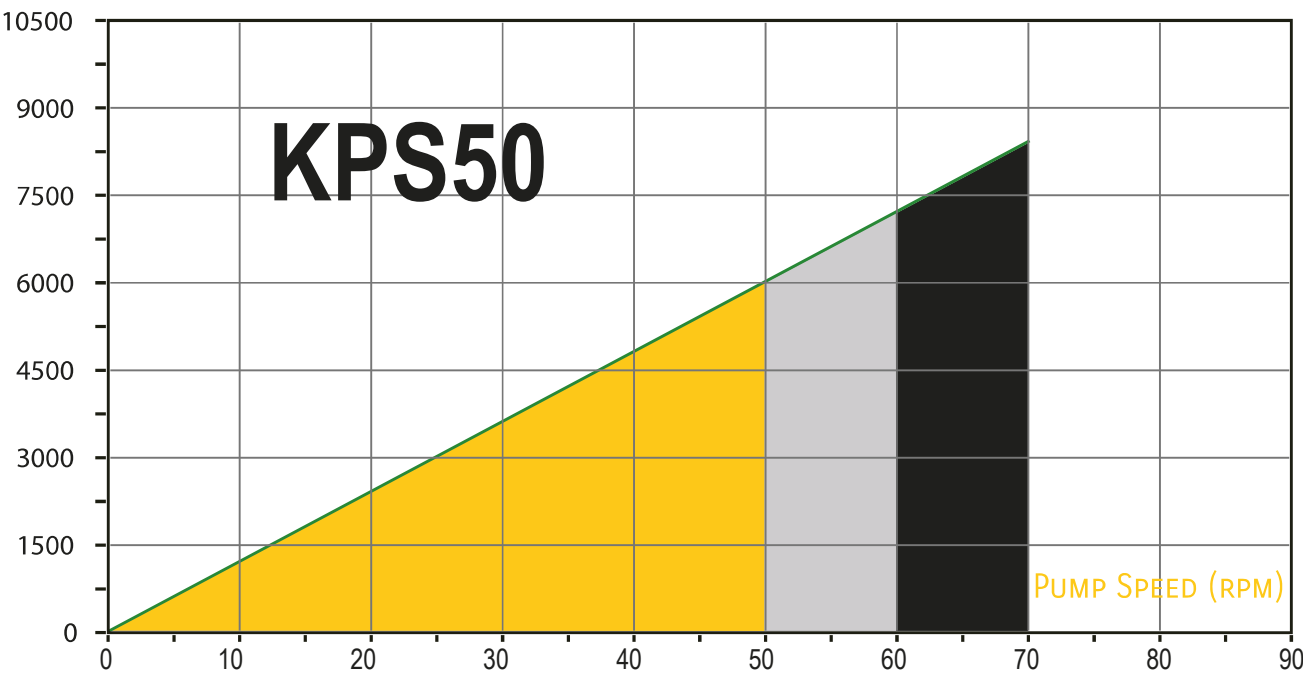


CURVE GRAPH

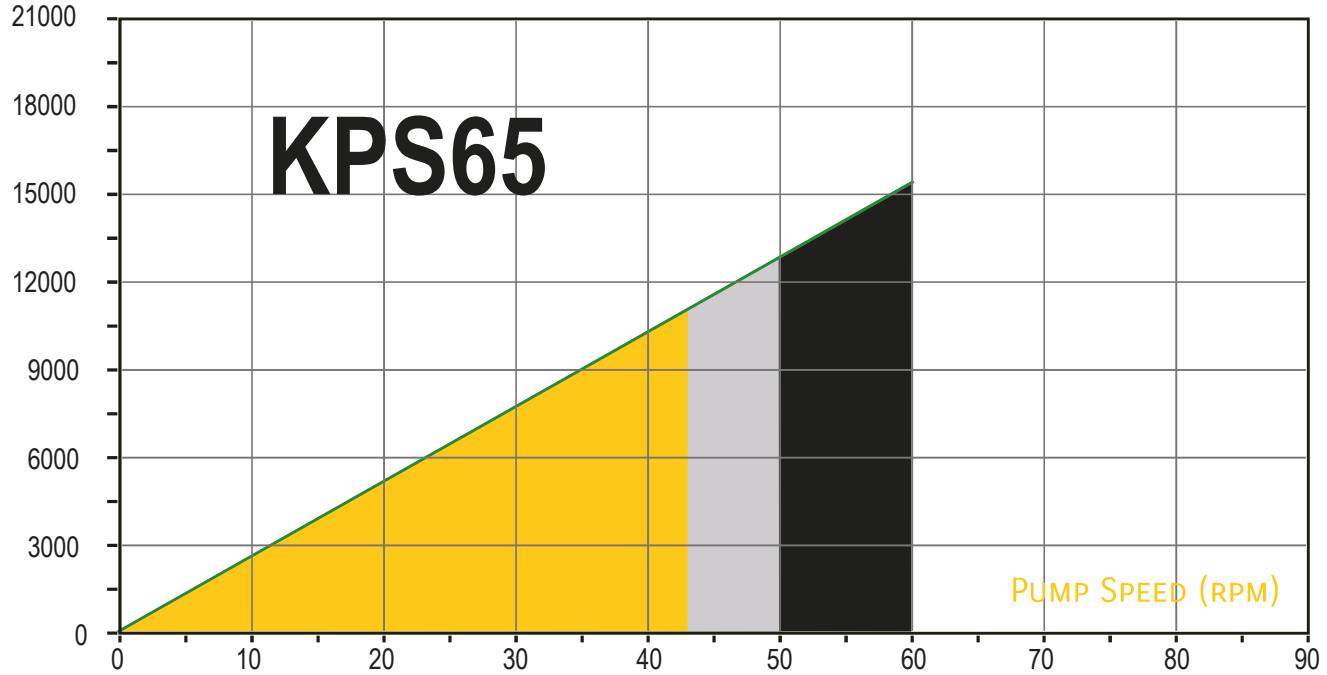


CURVE GRAPH

FLOW RATE (L/H) Continuous running Interval running Not suggested running

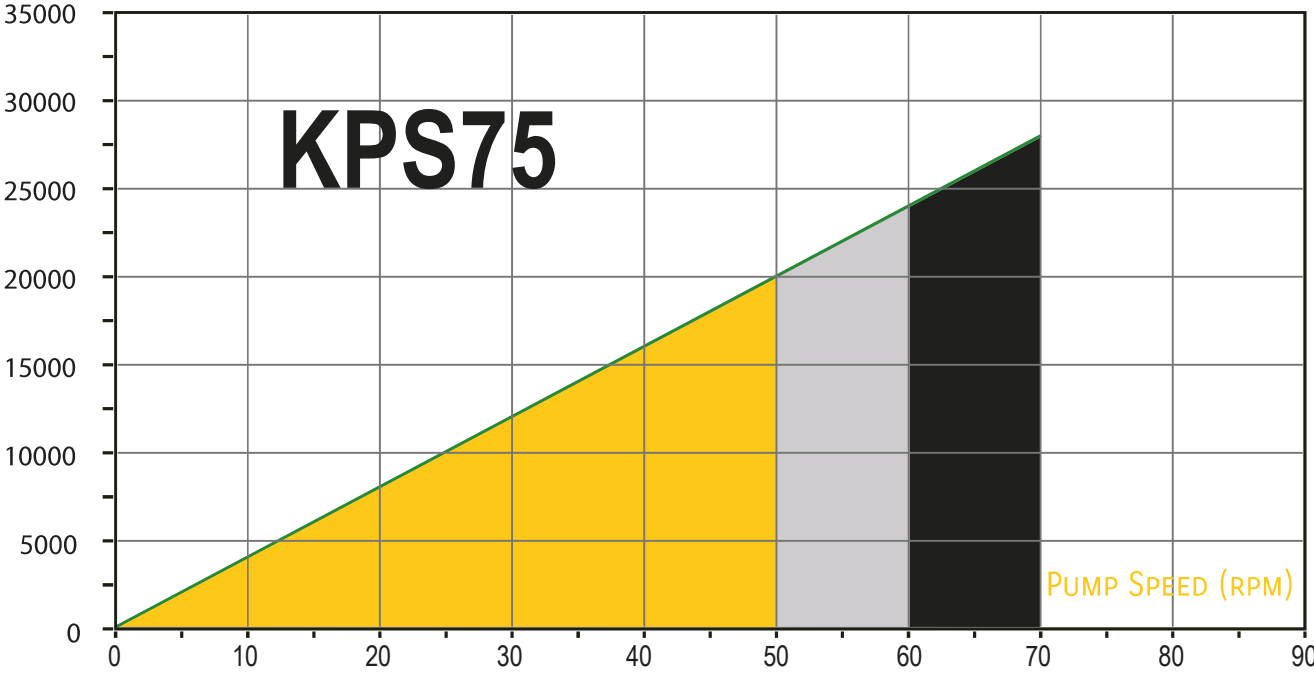


FLOW RATE (L/H) Continuous running Interval running Not suggested running

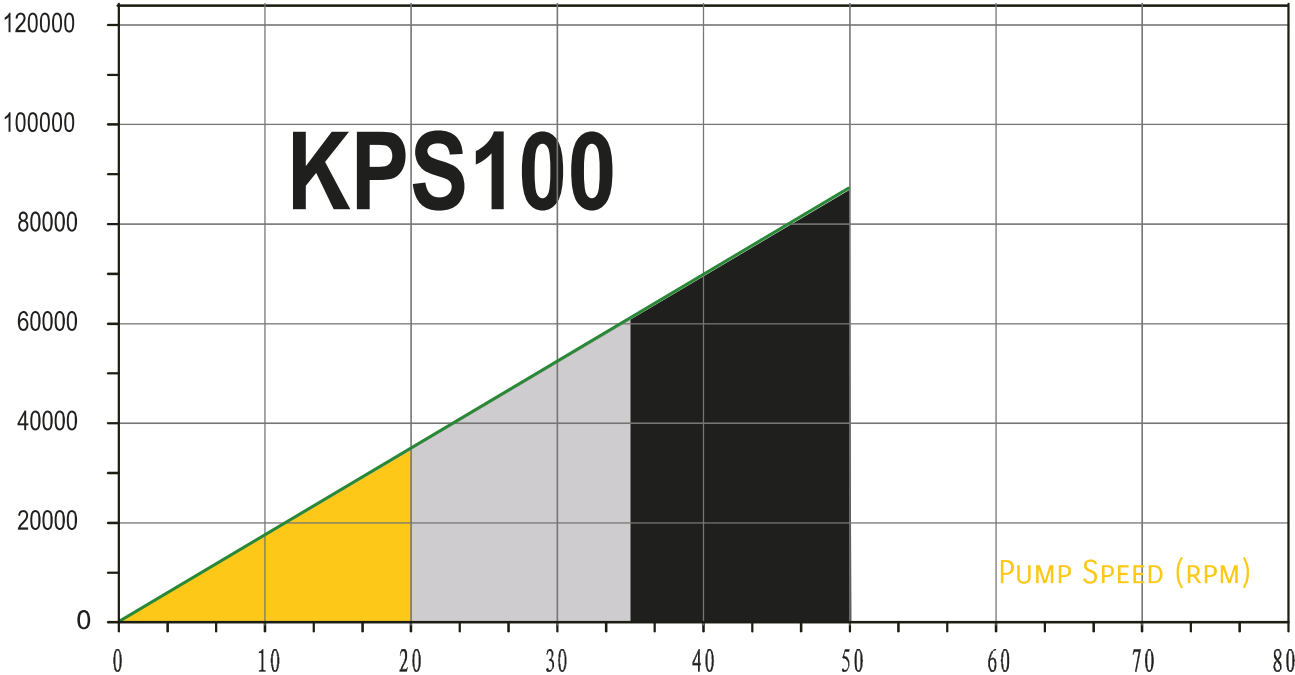


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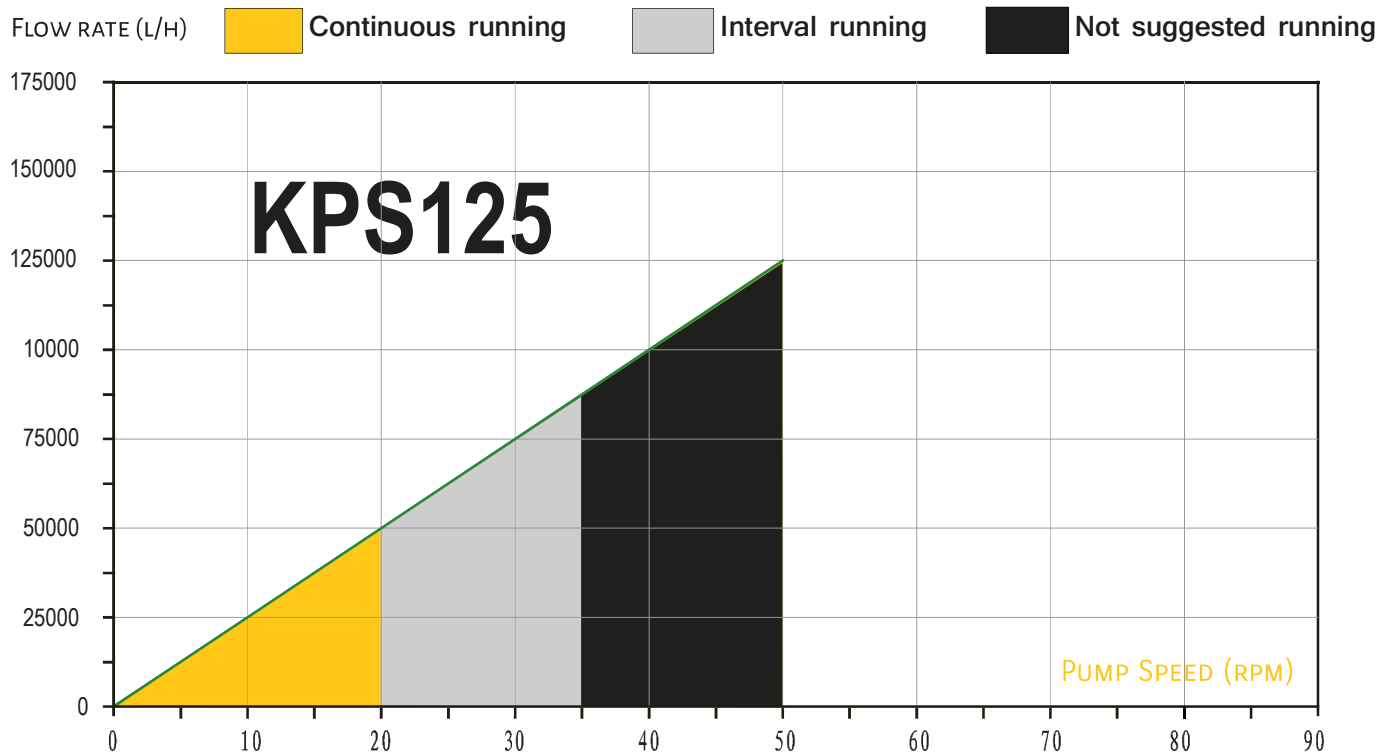
FLOW RATE (L/H) Continuous running Interval running Not suggested running



FLOW RATE (L/H) Continuous running Interval running Not suggested running



CURVE GRAPH



TECHNICAL SPECIFICATION (DOUBLE HOSE SERIES)

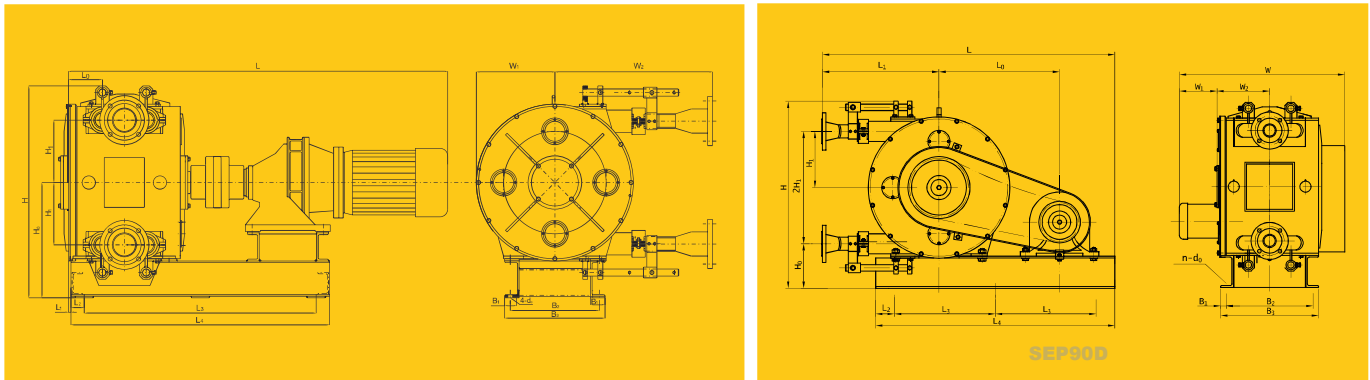


MODEL KPD

- Material: carbon steel / SS304(pump body) / SS316L (pump body)
- Lubricant: no need
- Hose: NR (natural rubber), EPDM (Ethylene Propylene Diene Monomer), NBR (Nitrile-butadiene rubber), NR-F, Neoprene, Silicon Rubber, CSM(Hypalon)

TECHNICAL SPECIFICATION (DOUBLE HOSE SERIES)

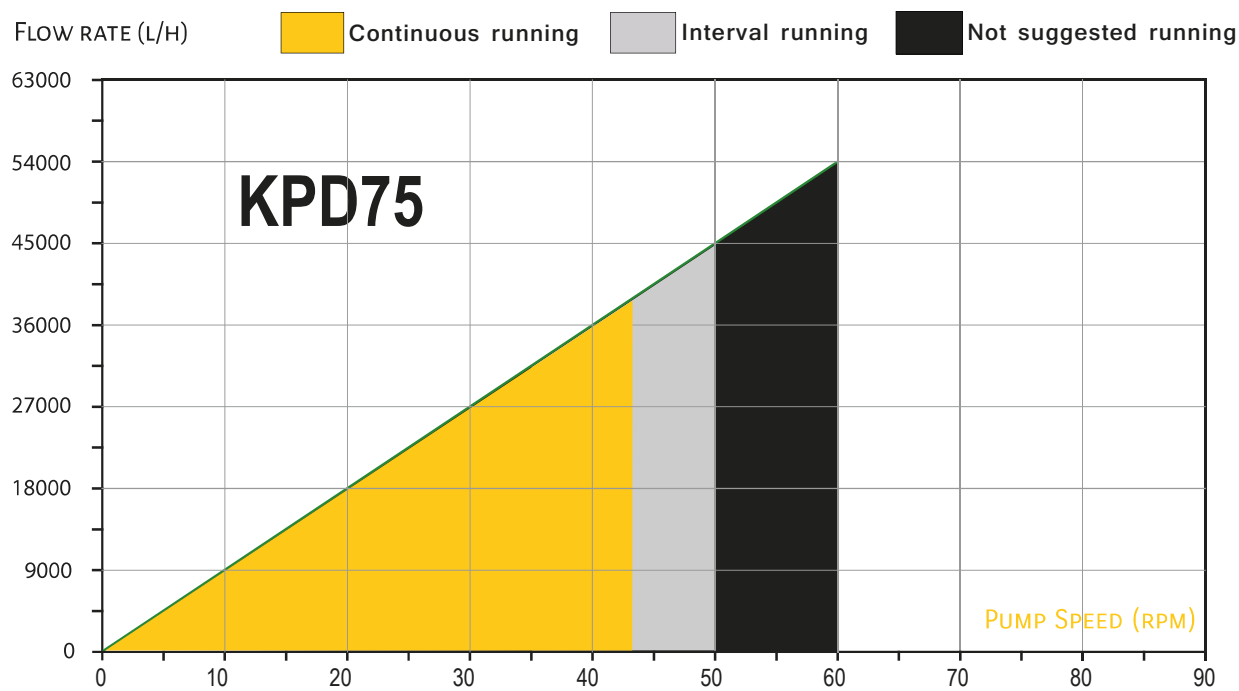
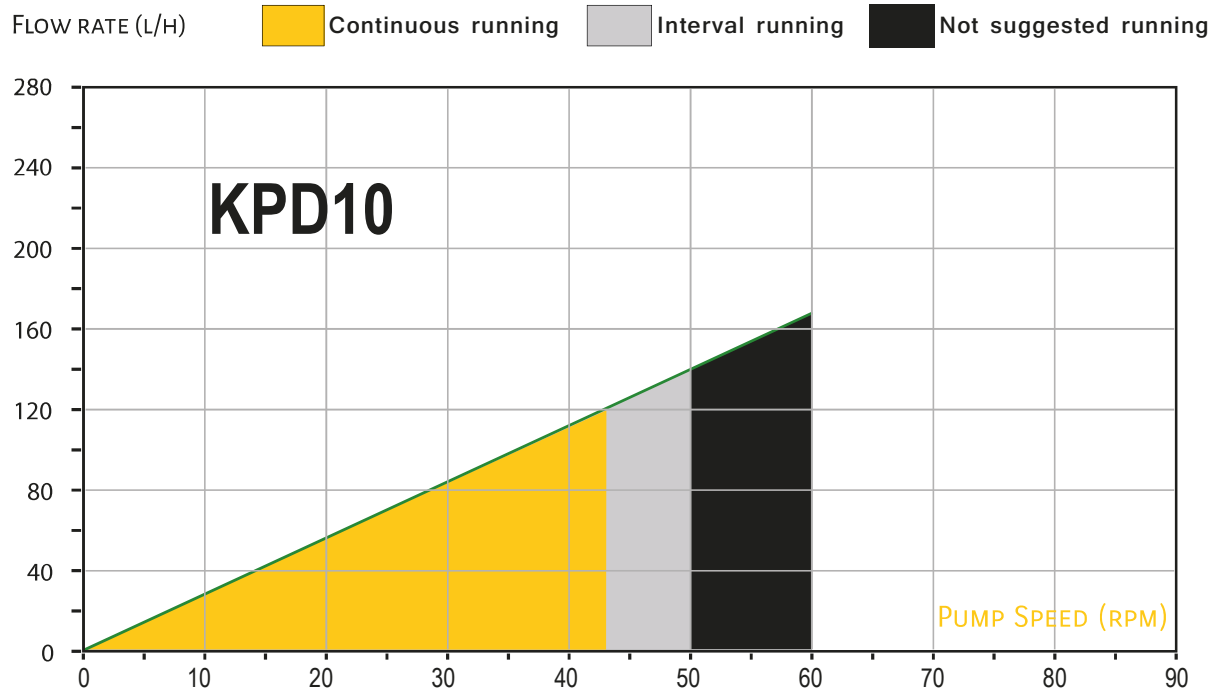
ITEM	KPD10	KPD65	KPD75	KPD90
Max. Continuous Working Flow Rate (l/h)	120	25000	35000	60000
Rotation Speed (rpm)	43	43	43	25
Rated Power (Kw)	0.75	11	11	30
Max. Interval Working Flow Rate (l/h)	150	29000	45000	80000
Rotation Speed (rpm)	50	50	50	35
Rated Power (Kw)	1.1	15	15	37
Max. Discharge Pressure (Mpa)	1.0	0.8	0.8	0.6
Max. Temperature (C°)	90	90	90	90

TECHNICAL SPECIFICATION (DOUBLE HOSE SERIES)


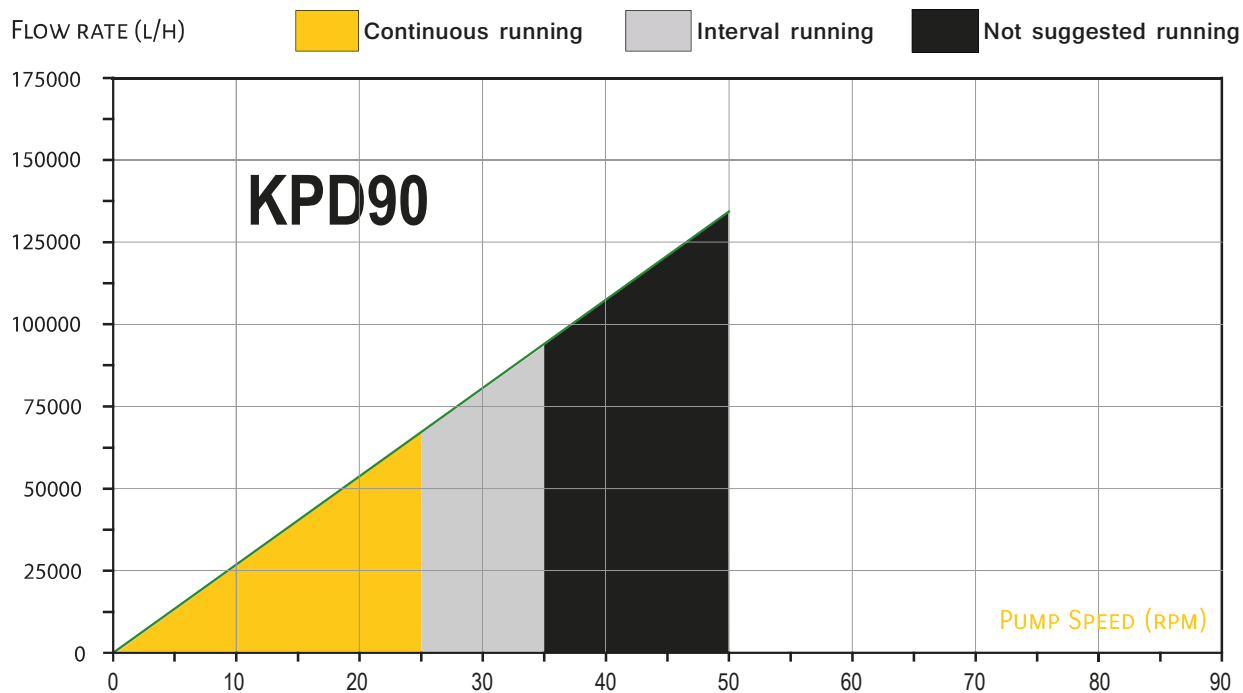
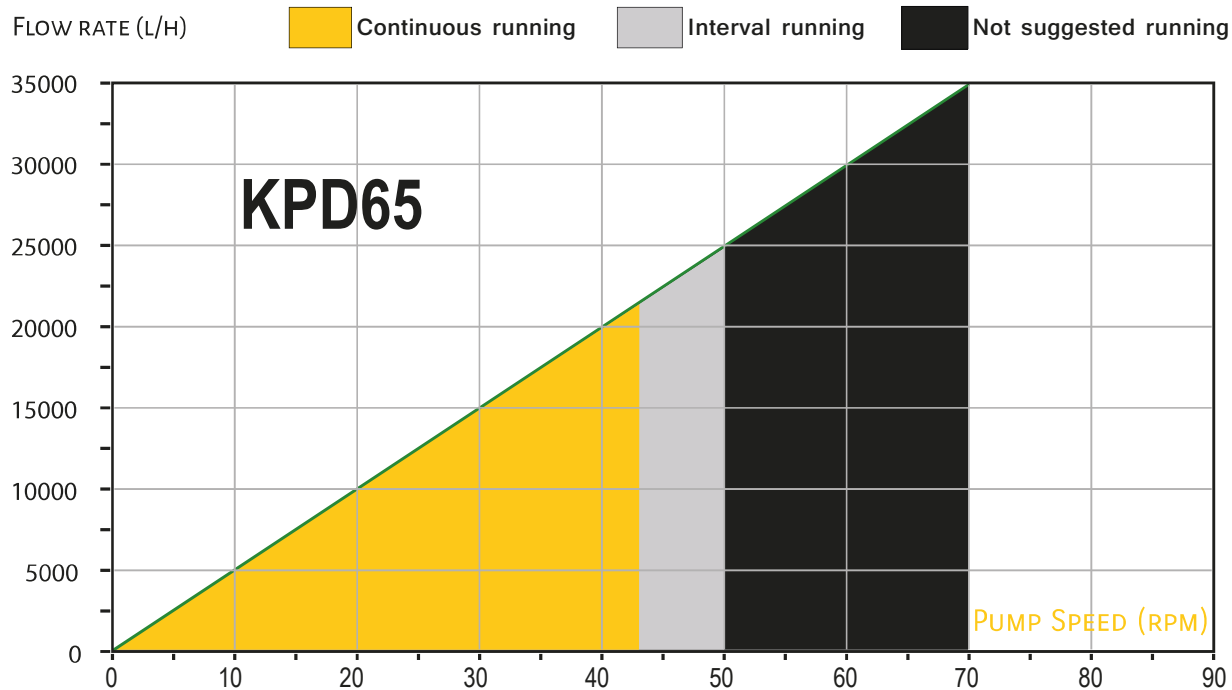
MODEL	L	L ₀	L ₁	L ₂	L ₃	L ₄	H	H ₀	H ₁	W	W ₁	W ₂	B ₁	B ₂	B ₃	d ₀	d _g
KPD10	705	101	5	70	270	480	293	174	68	255	90	165	20	110	150	13	20
KPD65	1735	285	12	60	1040	1160	952	518	275	1059	352	707	65	400	450	22	100
KPD75	1890	305	15	67	1160	1294	1022	548	298	1120	390	730	65	440	490	22	100

MODEL	L	L ₀	L ₁	L ₂	L ₃	L ₄	H	H ₀	H ₁	W	W ₁	W ₂	B ₁	B ₂	B ₃	n-d ₀	d _g
KPD90	2050	1000	790	150	775	1850	1720	295	680	1365	395	318	40	495	575	6×Φ26	125

CURVE GRAPH



CURVE GRAPH



KENDALL PUMPS



PERISTALTIC KP - SERIES