I Application

Peristaltic pumps have many applications in wine-making all year round, the pumps are used for the transfer of liquids like must, wine, lees, with entire, crushed or destemmed grapes and also fermented paste.

I Operating principle

The operating principle is based on progressive pressing and flattening that the rollers apply to the hose. The oscillation between the compression and decompression of the tubular element creates a depression and consequently a continuous suction that converts the pump into a self-priming one. The pump discharges a continuous flow as the flow is directly proportional to the speed. The product is transferred without suffering any damage.

I Design and features

Self-priming and reversible pump.
Possible dry running.
Total sealing without mechanical seals and gaskets.
Easy maintenance and cleaning.
Gentle treatment of the pumped material.
Connections: clamp.
Pulsation dampening tanks with pressure sensor.
Motor with frequency converter 3 ph 230/460V 60Hz, IP-55.
Polyester switchboard prepared for connecting the hopper.
Breakage sensor.
Red painted RAL3003.
Pressure transmitter.

I Materials

Robust pump casing	Grey cast iron GG-22
Hose	Food grade NBR (according to FDA 177.2600)
Parts in contact with the product	AISI 304

I Options

St.St. hopper with feeder.
Time counter.
Connections SMS, Clamp, Garolla, etc.
Remote control.
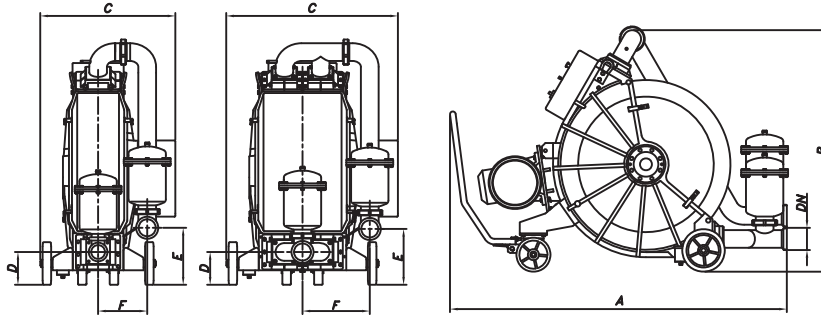Frequency converter or Control Range.
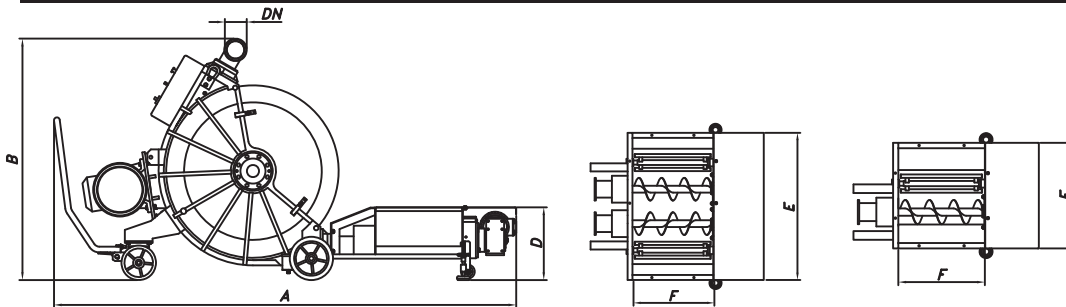St.St. control panel.
Cleaning kit.

Control Range

Hopper with feeder

Clenaing kit

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I Technical specifications

Max.flow	60 m³/h	265 US GPM
Max.working pressure	3 bar	44 PSI
Max.working temperature	60 ºC	140 ºF

Type	Flow US GPM		Power Hp	Hopper motor kW	Crushed grapes Tn/h	Whole grapes Tn/h	Macerated grapes Tn/h	Fermented paste Tn/h
	Wine/Must	Lees						
PV-70	44 - 88	22/44	7,5	-	-	-	-	-
PVD-70	88 -146	44/88	12,5	-	-	-	-	-
PV-80	66 -132	30/66	10	-	-	-	-	-
PVD-80/2	132 - 264	66/132	15	-	-	-	-	-
PVT-70	-	-	7,5	1,5	7/12	5/10	20	4/8
PVDT-70	-	-	12,5	3	15/30	10/20	40	7/14
PVT-80	-	-	10	2	12/25	10/20	30	5/10
PVDT-80	-	-	15	4	25/50	20/40	60	10/20

I Dimensiones

TYPE	DN	A	B	C	D	E	F	Weight lbs.	Pump code
PV-70	3"	73,62	50,79	29,92	7,09	14,37	10,04	1268	D5070-17050055FU
PV-80	4"	78,74	57,09	31,50	7,68	12,80	11,42	1587	to be consulted
PVD-70	3"	73,62	50,79	37,00	7,09	14,37	13,58	1543	to be consulted
PVD-80	4"	78,74	57,09	40,16	7,68	12,80	15,55	2060	D5280-17050110GU

TYPE	DN	A	B	D	E	F	Weight lbs.	Hopper code
PVT-70	3"	104,33	50,79	15,94	24,02	19,69	1455	D5077-17140011U
PVT-80	4"	106,30	57,09	16,54	24,02	19,69	1796	to be consulted
PVDT-70	3"	104,33	50,79	15,94	35,83	19,69	1874	to be consulted
PVDT-80	4"	106,30	57,09	16,54	35,83	19,69	2414	D5287-17165030U

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ISO 9001 BUREAU VERITAS Certification

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