



TECHNICAL DATASHEET

# Spring Submersible Pumps

Robust submersible pump for wells, ideal for irrigation and domestic supply.



Spring submersible pump for wells, ideal for irrigation systems, domestic water supply, and agricultural applications. Compact, efficient, and robust, designed for clean water. Supplied with 20 meters of cable and float switch (monophase version).

## APPLICATIONS

- Water abstraction from boreholes, reservoirs and water courses.
- Domestic water supply.
- Agricultural irrigation and gardens.
- Hydropneumatic systems.

## TECHNICAL DATA

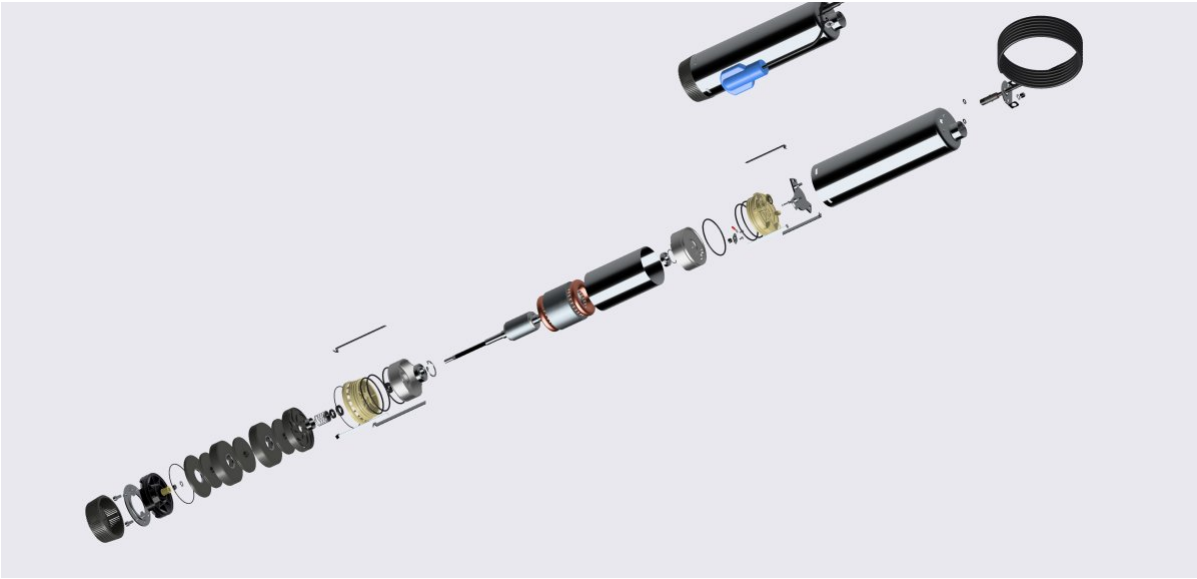
### TECHNICAL SPECIFICATIONS

Type	Submersible for Clean Water
Material	Radial turbines and diffusers in Noryl reinforced with fiberglass
Motor Details	Hermetically sealed electric motor impregnated with protective resin
Environment	Ecological (Oil-free)
Installation	Vertical / Horizontal
Cable	20m (with float switch)
Protection	IP 68   Class B

### MOTOR CHARACTERISTICS

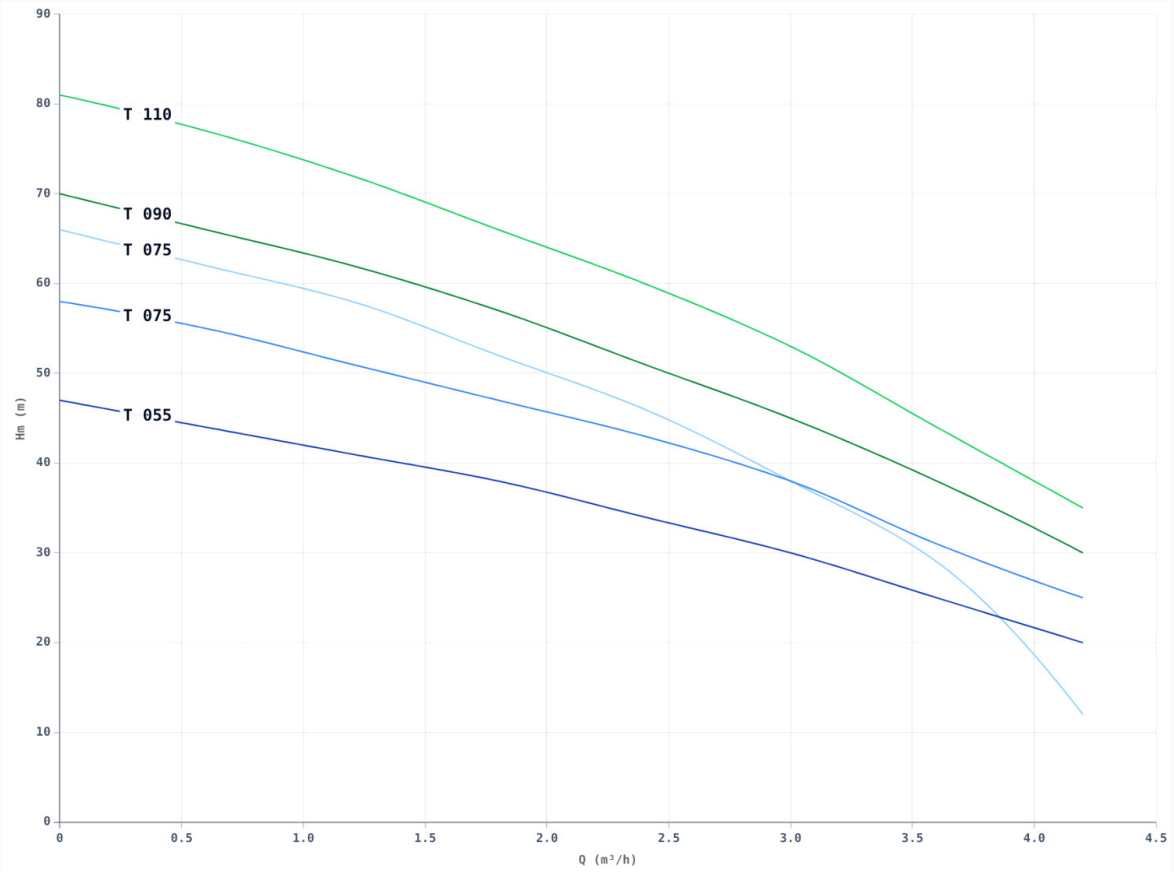
Voltage	230 V (1~) / 400 V (3~)
Max Temperature	35° C
Starts/Hour	Maximum 20 starts per hour
Discharge	1" 1/4 - 1" 1/2
Diameter	131 mm
Seal	Double mechanical seal in silicon carbide

## SPRING 2M - DIMENSIONS



Model	Voltage	A (mm)	Weight (kg)	Outlet
2M 055	230V	441,0	12,1	1" 1/4
2T 055	400V	480,0	13,5	1" 1/4
2M 075	230V	520,0	15,4	1" 1/4
2T 075	400V	543,0	15,7	1" 1/4
S 2M 075	230V	480,0	13,5	1" 1/4
S 2T 075	400V	465,0	12,2	1" 1/4
2M 090	230V	431,0	11,0	1" 1/4
2T 090	400V	465,0	12,2	1" 1/4
2M 110	230V	505,0	13,1	1" 1/4
2T 110	400V	529,0	13,8	1" 1/4

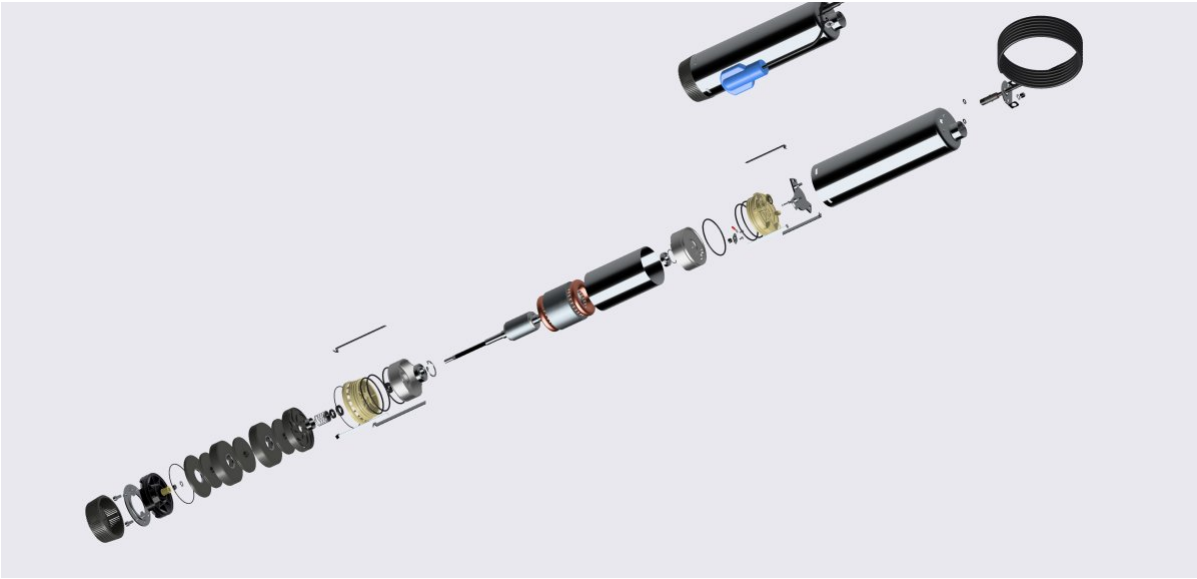
## SPRING 2M - PERFORMANCE CURVE (Q - HM)



Curvas de caudal (Q) vs. altura manométrica (Hm)

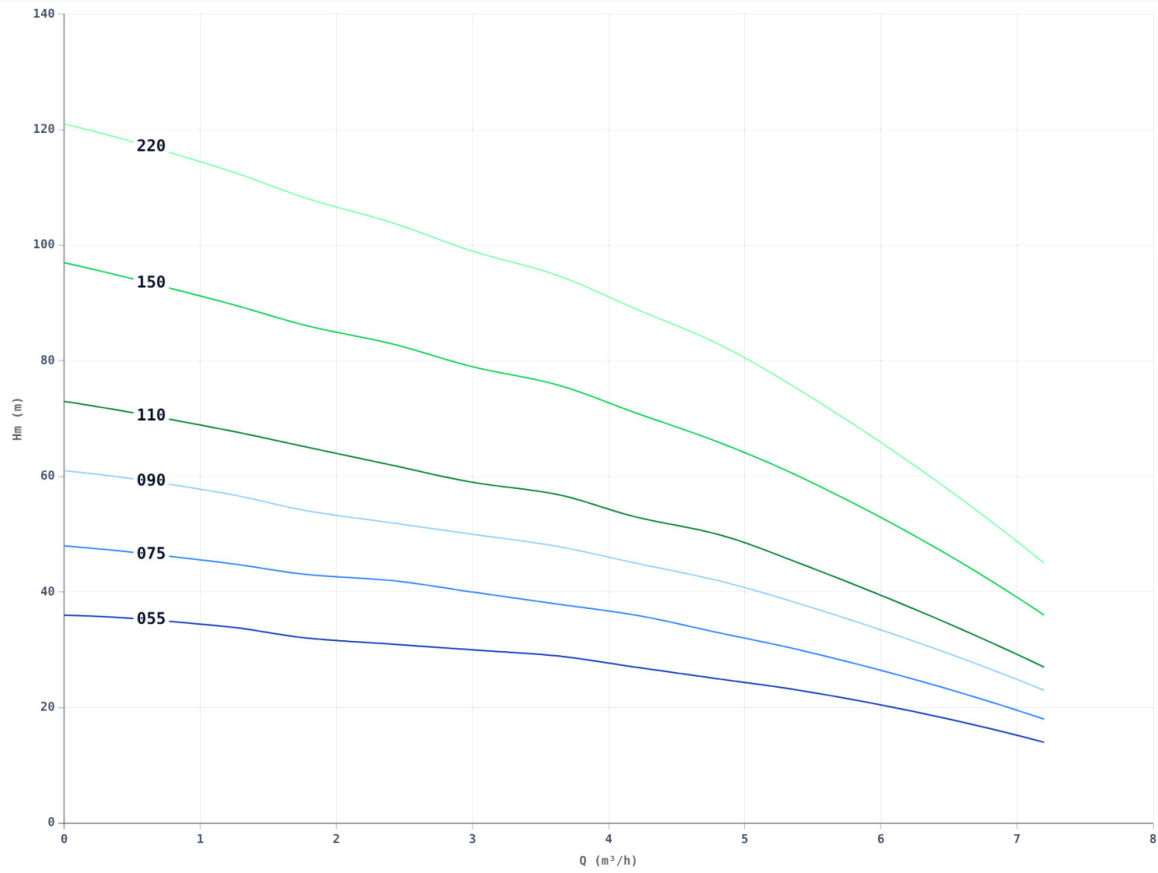
Model	kW	HP	Amperage	m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2
					Hm (m)							
2M/T 055	0,55	0,75	4.2 / 1.6		47,0	44,0	41,0	38,0	34,0	30,0	25,0	20,0
2M/T 075	0,75	1,00	4.8 / 2.1		58,0	55,0	51,0	47,0	43,0	38,0	31,0	25,0
S 2M/T 075	0,75	1,00	4.8 / 2.1		66,0	62,0	58,0	52,0	46,0	38,0	29,0	12,0
2M/T 090	0,90	1,20	6.0 / 2.6		70,0	66,0	62,0	57,0	51,0	45,0	38,0	30,0
2M/T 110	1,10	1,50	7.0 / 2.9		81,0	77,0	72,0	66,0	60,0	53,0	44,0	35,0

## SPRING 4M - DIMENSIONS



Model	Voltage	A (mm)	Weight (kg)	Outlet
4M 055	230V	417,0	11,9	1" 1/4
4T 055	400V	456,0	13,1	1" 1/4
4M 075	230V	495,0	14,3	1" 1/4
4T 075	400V	519,0	14,6	1" 1/4
4M 090	230V	583,0	14,8	1" 1/4
4T 090	400V	661,0	18,0	1" 1/4
4M 110	230V	406,0	10,6	1" 1/4
4T 110	400V	440,0	11,8	1" 1/4
4M 150	230V	481,0	12,7	1" 1/4
4T 150	400V	505,0	13,4	1" 1/4
4M 220	230V	569,0	15,6	1" 1/4
4T 220	400V	647,0	18,1	1" 1/4

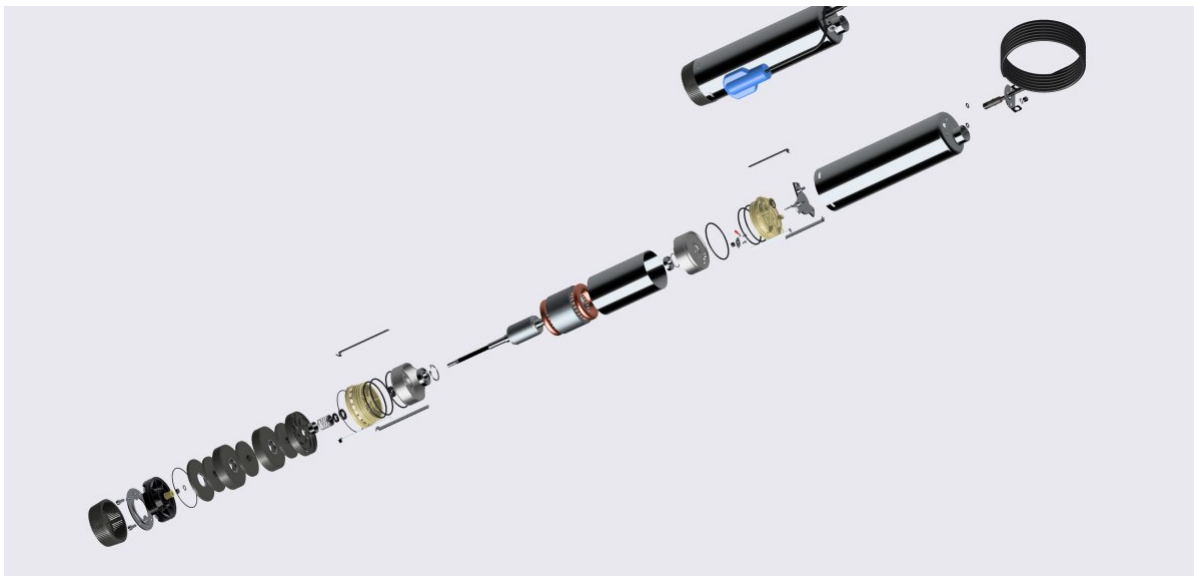
## SPRING 4M - PERFORMANCE CURVE (Q - HM)



Curvas de caudal (Q) vs. altura manométrica (Hm)

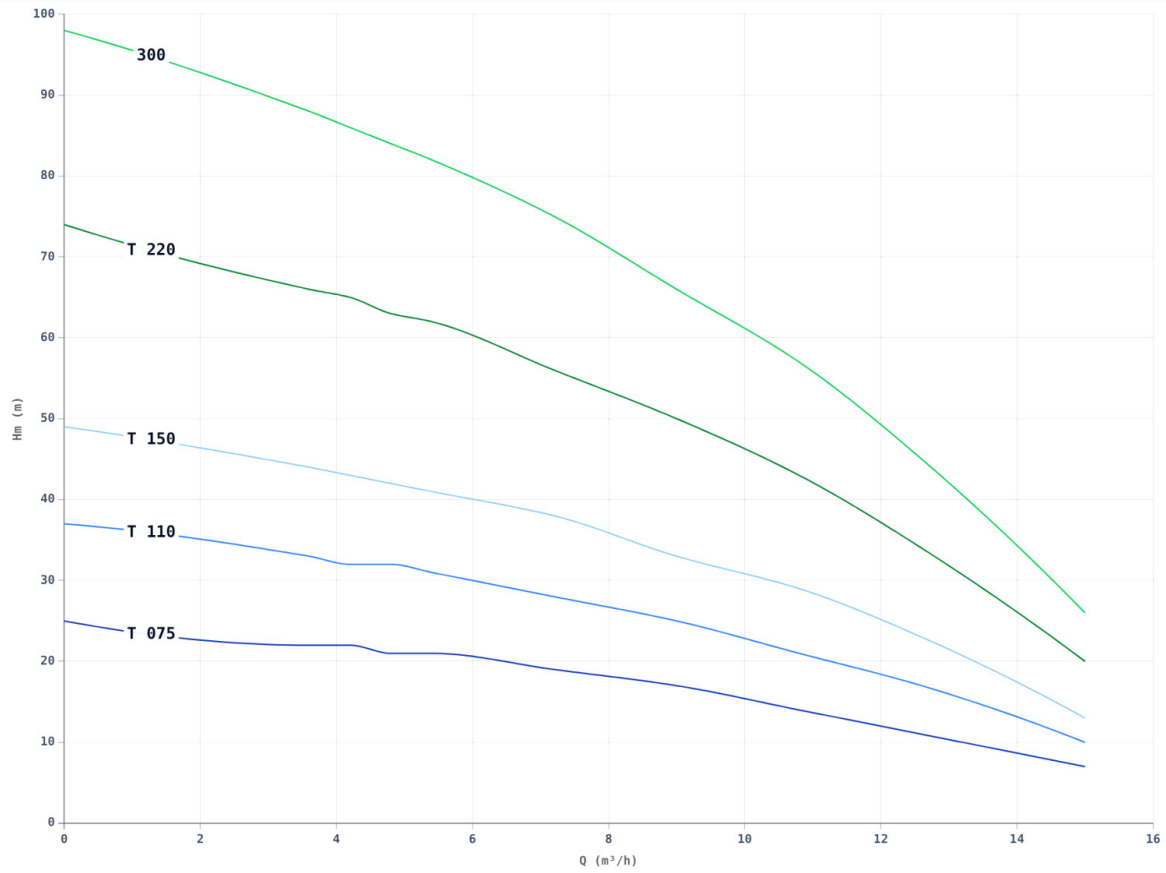
Model	kW	HP	Amperage	m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	7.2
					Hm (m)										
4M/T 055	0,55	0,75	4.1 / 1.6		36,0		34,0	32,0	31,0	30,0	29,0	27,0	25,0	23,0	14,0
4M/T 075	0,75	1,00	5.5 / 2.2		48,0		45,0	43,0	42,0	40,0	38,0	36,0	33,0	30,0	18,0
4M/T 090	0,90	1,20	7.0 / 2.7		61,0		57,0	54,0	52,0	50,0	48,0	45,0	42,0	38,0	23,0
4M/T 110	1,10	1,50	7.6 / 3.0		73,0		68,0	65,0	62,0	59,0	57,0	53,0	50,0	45,0	27,0
4M/T 150	1,50	2,00	10.2 / 3.2		97,0		90,0	86,0	83,0	79,0	76,0	71,0	66,0	60,0	36,0
4M/T 220	2,20	3,00	12.8 / 4.7		121,0		113,0	108,0	104,0	99,0	95,0	89,0	83,0	75,0	45,0

## SPRING 8M - DIMENSIONS



Model	Voltage	A (mm)	Weight (kg)	Outlet
8M 075	230V	421,0	12,8	1" 1/2
8T 075	400V	467,0	14,3	1" 1/2
8M 110	230V	527,0	16,8	1" 1/2
8T 110	400V	621,0	19,6	1" 1/2
8M 150	230V	405,0	11,5	1" 1/2
8T 150	400V	452,0	14,7	1" 1/2
8M 220	230V	497,0	15,1	1" 1/2
8T 220	400V	591,0	17,4	1" 1/2
8T 300	400V	682,0	20,6	1" 1/2

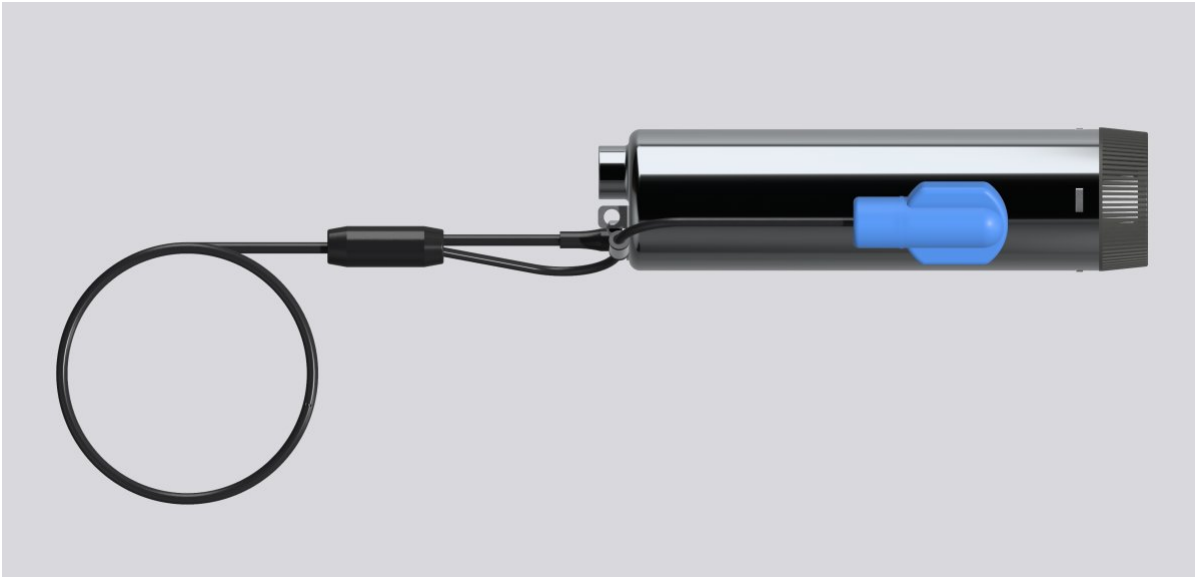
## SPRING 8M - PERFORMANCE CURVE (Q - Hm)



Curvas de caudal (Q) vs. altura manométrica (Hm)

Model	kW	HP	Amperage	m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	7.2	9	10.8	12.6	15
					Hm (m)														
8M/T 075	0,75	1,00	5.4 / 2.2		25,0						22,0	22,0	21,0	21,0	19,0	17,0	14,0	11,0	7,0
8M/T 110	1,10	1,50	7.5 / 3.1		37,0						33,0	32,0	32,0	31,0	28,0	25,0	21,0	17,0	10,0
8M/T 150	1,50	2,00	9.6 / 3.2		49,0						44,0	43,0	42,0	41,0	38,0	33,0	29,0	23,0	13,0
8M/T 220	2,20	3,00	14.3 / 5.1		74,0						66,0	65,0	63,0	62,0	56,0	50,0	43,0	34,0	20,0
8T 300	3,00	4,00	- / 7.0		98,0						88,0	86,0	84,0	82,0	75,0	66,0	57,0	45,0	26,0

## LIST OF MATERIALS



Pos.	Description	Material (Standard)
1	Válvula	Aço inox. AISI 304
2	Câmara de descarga	Aço inox. AISI 304
3	Turbina	Policarbonato / Noryl
4	Difusor	Policarbonato / Noryl
5	Veio	Aço inox. AISI 304
6	Camisa externa	Aço inox. AISI 304

## USAGE CONDITIONS

- With 20 meters power cable. Equipped with float switch.