



### **I Application**

JET MIX mixers are used in case a simple mixing with an ordinary agitator is not enough but a high shear dispersion violates the product nature. Mixers of JetMix series are widely used in the food processing, cosmetics, pharmaceutical and fine chemicals industries. It can be used either in open or in closed tanks at the atmospheric pressure, under pressure or vacuum, and with the products of low or medium viscosity.

### **I Operating principle**

A three blade rotor rotates at a high speed inside the static head. The driving shaft is situated inside the pipe and guided by the bearings at its lower part just over the working head.

The major part of the flow from the JET MIX head is directed from the product surface to the bottom of the tank, but a part of the flow is radially deviated and partially sheared.

Thus a fast mixing, dissolution or dispersion of the product is achieved.

In some cases the installment of deflectors is not necessary.

### **I Design and features**

High power of flow and turbulence.

Sanitary mechanical seal.

Jet-Mix head (standard).

Possibility to change the head, rotor and mechanical seal without disassembling the unit.

Various easily interchangeable working head models.

IEC B5, IP55 motors, F-class insulation.

### **I Materials**

Parts in contact with the product:

AISI-316

Mechanical seal:

SiC/SiC/EPDM

Gaskets:

EPDM

### **I Options**

DIN2632 PN-10 flange for the assembly on a tank.

Other mechanical seal materials.

Gaskets: FPM or PTFE.

Mixer type working head.

Saw tooth propeller.

Mechanical seal leak detectors.

Motors with various protections.



Saw tooth propeller

Mixer type head

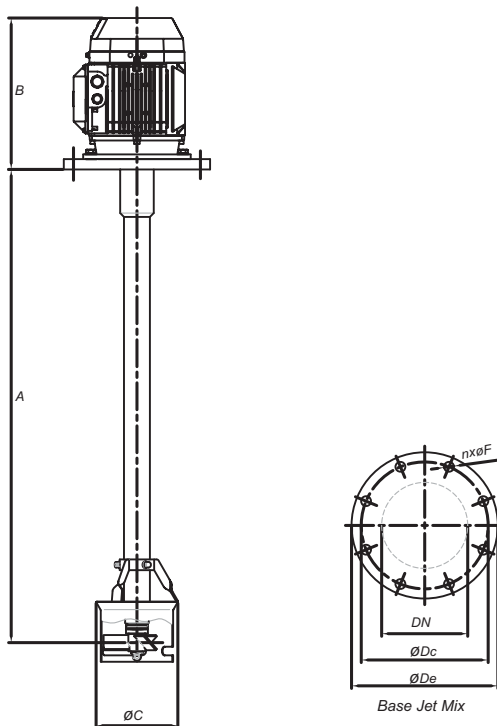


## I Technical specifications

Max. working pressure	10 bars
Vacuum	to be consulted
Temperature	-10/120°C
Max. recommended viscosity	3000 Cp
Max. speed	2950 rpm



## I General dimensions and selection table



	Motor		Dimensions			Flange dimensions				Selection table		
	Power (kW)	Speed (rpm)	A	B	C	øDN	øDext	øDec	nxF	Viscosity		
										1 cPs	1500 cPs	3000 cPs
T10-2005-050	0,55	3000	750	230	80	125	250	210	8xø18	300 lts	100 lts	-
T10-4003-060	0,37	1500			105							
T20-2011-072	1,1	3000	900	295	105	150	285	240	8xø23	500 lts	200 lts	100 lts
T20-2022-090	2,2				750 lts					300 lts		
T20-4007-090	0,75				500 lts					200 lts		
T20-4015-100	1,5	1500			137					750 lts	300 lts	
T30-2040-115	4	3000	1100	370	150	250	340	295	8xø23	1500 lts	750 lts	200 lts
T30-2055-140	5,5				2000 lts					1000 lts	300 lts	
T30-4030-140	3	1500			180					1500 lts	750 lts	200 lts
T30-4040-155	4		2000 lts	1000 lts	300 lts							
T40-2075-138	7,5	3000	1300	428	180	250	395	350	12xø23	2500 lts	2000 lts	1000 lts
T40-4055-155	5,5	1500			200					2000 lts	1500 lts	300 lts
T40-4075-190	7,5	238			2500 lts					2000 lts	1000 lts	
T50-6075-325	7,5	1000	1500	518	384	300	445	400	12xø23	3000 lts	2500 lts	1500 lts

Dimensions on the table in mm.

Data of the table is approximate. The selection can vary depending on the applications. Consult Inoxpa Solutions.

