

Sanitary DIN Centrifugal Pump



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I Applications

The DIN-TEX is a sanitary high capacity centrifugal pump (up to 1000m³/h).

It is designed to work with a basic or semi-finished product.

Its applications include processes of the food-processing industry, wine making or textile and chemical industries which are not characterised by strict hygienic requirements.

Owing to the high flow, the pump is also suitable for the transfer of cleaning solutions.

I Operating principle

Housed inside the casing, the impeller rotates in conjunction with the pump shaft.

With this arrangement, the impeller blades convey energy to the fluid in the form of kinetic energy and pressure energy.

This pump is not reversible by a simple reversal of the direction of rotation. The direction of rotation is clockwise when the pump is viewed from the rear side of the motor.

I Design and features

8 mm cold-formed plate casing with volute.

Flanges: PN16 according to DIN 2633.

Double-curvature impeller with blades on the rear side to reduce the axial thrust.

Axial adjustment of the impeller (bare shaft version).

Single mechanical seal according to EN12756 L1K.

Fully drainable pump.

IEC B3 (B35 close-coupled models) motors, IP55, F-class insulation.

Drain port: G ½" (BSP).

I Materials

Parts in contact with pumped media

AISI 316L

Lantern and bearing support

GG-22

Gaskets (standard)

EPDM according to FDA 177.2600

Mechanical seal (standard)

SiC/C/EPDM

Internal surface finish of the casing and impeller

Blasted

External surface finish

Blasted

I Options

Close-coupled construction for model 250.

SiC/SiC mechanical seal for abrasive media.

Back-to-back pressurised or flushed double mechanical seal.

Gaskets: FPM(Viton®) and PTFE.

Motor shroud.

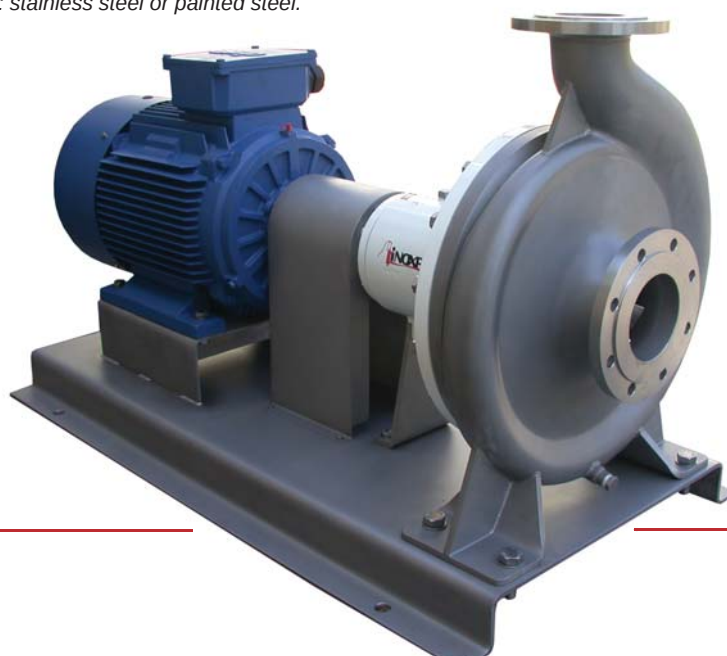
Motors with other protections.

Baseplate: stainless steel or painted steel.

Flanges PN16 DIN 2633

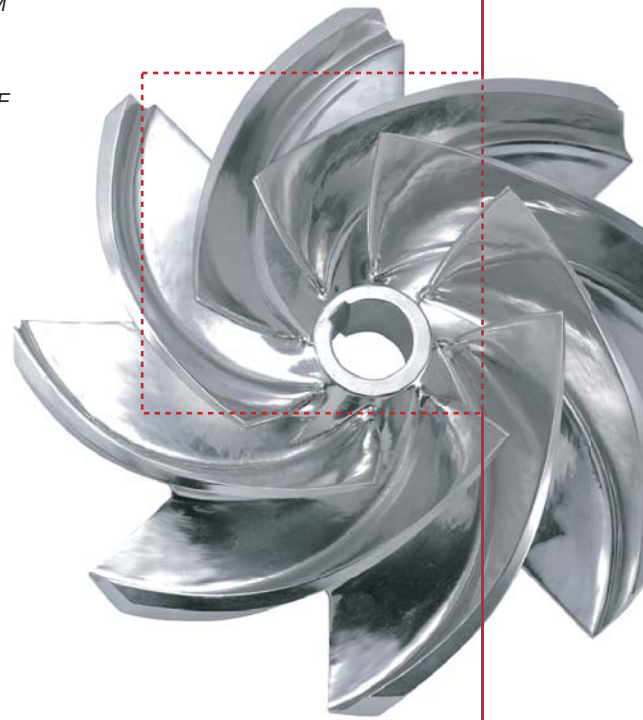
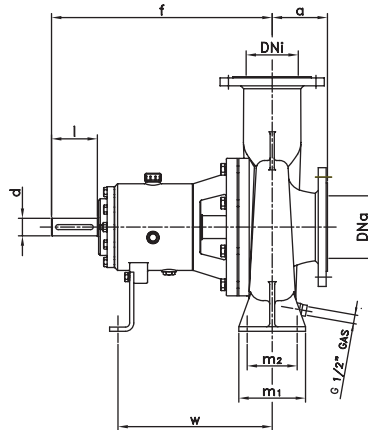
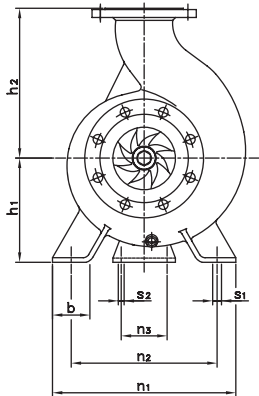


Drain port G ½"

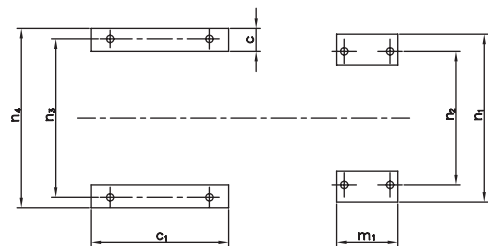
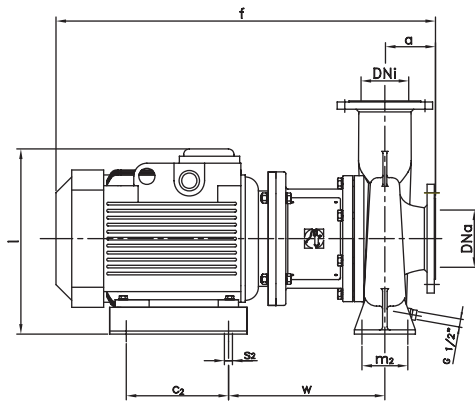
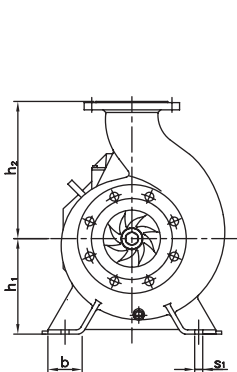


I Technical specifications

Max. flow	1000 m ³ /h	4403 US GPM
Max. differential height	90 mwc	295 ft
Max. working pressure	16 bar	232 PSI
Working temperature	-10 °C to +120 °C (EPDM)	14 °F to 248 °F
	+140 °C (SIP, max. 30 min)	284 °F
Max. speed	1800 rpm	
	3600 rpm (model 125-100-250/2)	



PUMP TYPE	DNa	DNi	d	l	a	f	h1	h2	b	m1	m2	n1	n2	n3	s1	s2	w		
125-100-250	125	100	42	110	126	522	250	323	90	160	120	440	350	110	18	14	363		
125-100-315						510	280	358			490	400	350						
125-100-400					135		330	408	100	200	150	550	450		23				
150-125-250	150	125	42	110	133	530	250	360	90	160	120	440	350	110	18	14	370		
150-125-315						518	280	377			490	400							
150-125-400					145		330	426	100	200	150	550	450		23		358		
200-150-250	200	150	42	110	150	537	250	380	90	200	150	440	350	110	23	14	378		
200-150-315			48		160		670	280	405				490	400		140			500
200-150-400							667	330	456			100	550	450					498



PUMP TYPE	MOTOR	DNa	DNi	a	f	h1	h2	b	c	c1	c2	l	m1	m2	n1	n2	n3	n4	s1	s2	w
125-100-250	160	125	100	126	855	250	323	90	68	360	260	460	160	120	440	350	415	470	18	18	342
	180				935							475									367
150-125-250	160	150	125	133	870	250	360	90	68	360	260	460	160	120	440	350	415	470	18	18	349
	180				950							475									374
200-150-250	180	200	150	150	975	340	380	68	88	400	305	585	210	150	600	545	545	600	23	23	381
	200				1015							585									384



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