TWO-STAGE LIQUID RING VACUUM PUMPS

NTC SERIES

Pumps. Systems. Service. Support. — One Source.

TWO-STAGE LIQUID RING VACUUM PUMP

MODELS: NTC-2, 3, 5, 7, 11



Drop-in replacement for NASH* Classic TCM/TC Series pumps — directly interchangeable down to the part.

— FIT

Drop-in replacement for NASH* Classic TCM/TC series; parts and repair kits readily available.

— MATERIALS

Standard ductile iron construction with Teflon packing; optional 304 or 316 stainless steel.

— CONFIGURATION

Bare pump, direct drive, or V-belt systems; optional factory-installed mechanical seals.

— WARRANTY

2-year factory warranty against manufacturer's defects.

Two stages. Sturdy, with a long service life.

Our NTC series is an excellent choice for replacing or repairing your NASH* Classic TCM/TC Series liquid ring vacuum pumps. These drop-in replacement two stage pumps are directly interchangeable down to the part with the NASH* TCM/TC Series.

CAPACITY RANGE	POWER RANGE	MAX VACUUM	MODELS
70–2,100	10–150 HP	28.9" HgV	NTC-2 – 11
CFM capacity range	Motor power range	Maximum vacuum	NTC-2, 3, 5, 7, 11

Overview / Features / Notes

SPECIFICATION SUMMARY

Type	Two-Stage
Models	NTC-2, 3, 5, 7, 11
Power Range	10–150 HP
Capacity Range	70–2,100 CFM
Max Vacuum	28.9" HgV

DESCRIPTION

These 10-150 HP sturdy vacuum pumps are offered with high quality standard mechanical seals to ensure reliable sealing and low shaft friction. The construction of the NTC series models provides a long service life and a wide range of selection in power, ultimate vacuum level, and flow capacity. Available in NTC-2, NTC-3, NTC-5, NTC-7, NTC-9, and NTC-11 (70 to 2100 CFM). Standard Construction is Ductile Iron with Teflon packing. NES Company Inc. NTC Series pumps are performance tested and include a 2-year warranty against manufacturer's defects.

FEATURES

- **Drop-in replacement for NASH* Classic TCM/TC series.**
- **Standard construction is Ductile Iron with Teflon Packing.**
- **Optional 304 or 316 Stainless Steel construction.**
- **Optional factory installed mechanical seals.**
- **Parts and repair kits readily available.**
- **Available in bare pump, direct drive or V-belt systems**
- **2-year factory warranty against manufacturer's defects.**

NOTES

NES Company is proud to offer our Two Stage NTC Series liquid ring vacuum pumps. These pumps have been designed to be drop-in replacements for NASH* TCM/TC Series pumps. NTC Series vacuum pumps are factory performance tested and include a 2-year warranty against manufacturing defects.

FULL TECHNICAL DATA

The following pages cover vacuum pump technical data, variation and application tables, dimensions and bare pump weights, and the exploded view. **Contact NES** at info@nescompany.com or 800-297-3550 for application support.

Technical Data / Vacuum Pump

Series Name	Replaces NASH*	Power Range [HP]	CFM Range	Max Vacuum ["HgV]	Seal Water Usage (GPM)	Inlet [Inch]	Outlet [Inch]	Seal Water Connection Size [Inch]
NTC-2	TCM-2	10-20	70-235	28.9	5-12	2 FL	2 FL	¾ NPT
NTC-3	TCM-3	10-25	95-380	28.9	6-14	2 FL	2 FL	¾ NPT
NTC-5	TC-5	15-40	180-450	28.9	12-22	4 FL	3 FL	¾ NPT
NTC-7	TC-7	25-60	320-720	28.9	15-25	6 FL	4 FL	1 NPT
NTC-11	TC-11	60-150	1300-2100	28.9	35-44	8 FL	6 FL	1 ½ BSP

Variation / Application Tables

VARIATION TABLE

Variations	Particulars
Metallurgy	Ductile Iron
	Standard Stainless Steel 304
	Stainless Steel 316L
Direction	Clockwise
	Counter-Clockwise Rotation
Purpose	Vacuum Pump
Sealing	Standard Available as Gland Packing
	Available with Single Seal
	Available with Single Cartridge Seal
	Available with Dual Cartridge Seal and Seal Pot
Configuration	Once Through
	Partial Recovery
	Full Sealant Recovery
Other System Configuration	Simplex
	Duplex
	Triplex
	Quadruplex

APPLICATION TABLE

Applications	
Solvent Recovery	**Solvent Recovery**
Vacuum Distillation	**Pharmaceutical Processing**
Reactor Vacuum	**Chemical Processing**
Condenser Exhauster	**Container Filling**
Sterilizers & Autoclaves	**Filtering**
Vacuum Degassing	**Extruder Venting**
Reactor Drying	**Eviscerating**
Deodorizing of Edible Oils & Fats	**Foods & Fats**
Hogging	

Dimensions / Weight

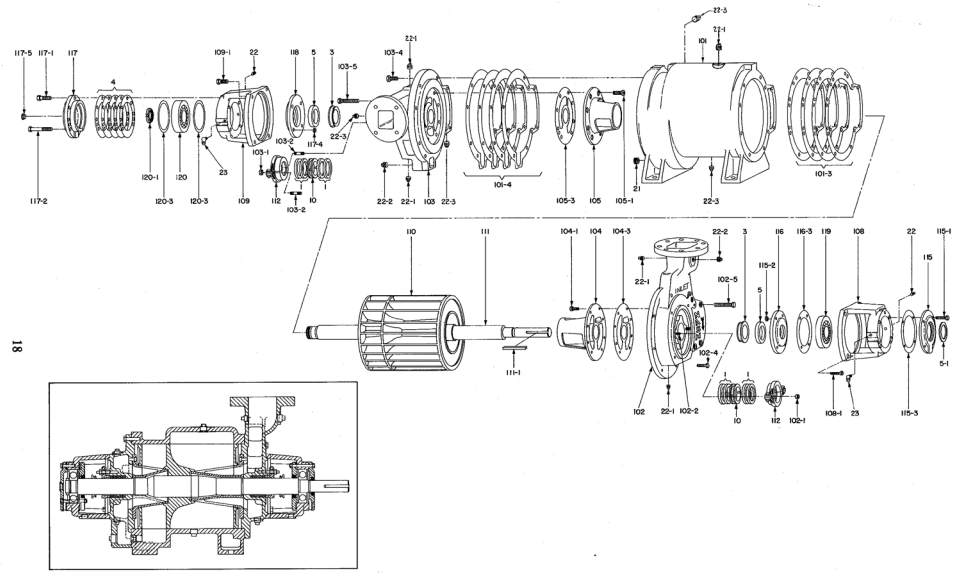
PUMP LENGTH, HEIGHT & BREADTH

Series Name	Length (Inches)	Height (Inches)	Breadth (Inches)
NTC-2	36.88	17.75	17.13
NTC-3	38.63	17.75	17.13
NTC-5	40.25	22.00	22.50
NTC-7	50.50	25.75	27.63
NTC-11	81.10	42.52	39.57

BARE PUMP WEIGHT

Series Name	Stainless Steel (lb)	Cast Iron (lb)
NTC-2	435	405
NTC-3	495	460
NTC-5	736	680
NTC-7	1200	1100
NTC-11	-	4688

Exploded View / Reference Drawing



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