



N A G A R J U N
INTERNATIONAL TRADING COMPANY

We Grow Together...

18
YEARS



AN ISO 9001 : 2015 CERTIFIED COMPANY

2023

INDUSTRIAL WASHING, FINISHING EQUIPMENTS & POWER LAUNDRY MACHINERIES

Hydro Extractor Direct Drive | Premium | Standard



- Our Industrial Hydro Extractor is compact and requires less maintenance with all stainless Steel inner and outer drum of 304 Grade. The machine requires less operation with a silent vibration during running.

- Our Hydro extractors are solid and reliable equipment functioning on the unique principle of centrifugal force. Complete water extraction up to 75%, ensuring very low moisture retention. This reduces drying time considerably. Safety features are incorporated in the machine like automatic stoppage of the basket while lifting the top door.

- An Auto timer, Auto stop through DC injection brake ensures immediate machine stoppage at any required time. It is self-balancing and is fitted with a single phase prevented and motor protecting relay for safety and easy maintenance.

Mechanism of Action

Hydro extractors are machines used in the laundry/textile processing industry. They primarily function as centrifuges. The wet material is placed inside the extractor, which consists of a perforated metal wall, typically made of stainless steel. The internal drum spins at high speed, effectively expelling the water contained within it. The use of Hydro extractors significantly reduces the energy required for drying materials. These machines operate on centrifugal force, generating a strong gravitational force that enhances water extraction. As a result, water is separated, and the product is obtained in a dry form.



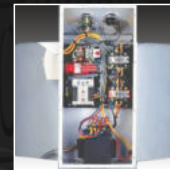
Door



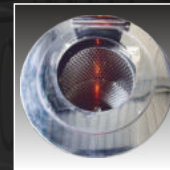
Motor



Control Panel



DC Brake

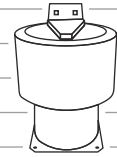


Inner Drum

Auto Braking | Silent Vibration | Less Maintenance | More Durability

Hydro Extractor Direct Drive | Premium | Standard

PERFORMANCE	STANDARD	PREMIUM
Motor Brand	Specially Designed by us	
Volt	415 / 3Ø	
Rpm	1000	
VFD (Optional)	Adjustable Drum Rotation 0-1000 RPM	
Breaking	Electrical	
Drum with Motor	Directly Connected with Bearing	
Extraction Time	0-15 min controlled by timer	0-60 min controlled by PCB
Control panel	Manually Operated by Switches	PCB



SAFETY

Door Open Cut Off	Limit Switch
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CONSTRUCTION

Outer Drum	Stainless Steel 304 Grade	Stainless Steel 304 Grade
Inner Drum	Stainless Steel 304 Grade	Stainless Steel 304 Grade
Perforation	Punch Press	Turret Punch Press
Back Cover	Stainless Steel 202 Grade	Stainless Steel 304 Grade
Base Cover	Mild Steel Sheet	Mild Steel Sheet
Base Plate	Mild Steel Sheet	Mild Steel Sheet
Door	Stainless Steel 202 Grade with lock	Stainless Steel 304 Grade with Lock
Spring	Helical Extension	Helical Extension
Spring Adjustment	Screw Rod	Screw Rod
Nuts, Bolts & Connectors	Mild Steel	Mild Steel
Control Box	Stainless Steel 202 Grade	Stainless Steel 304 Grade
Cutting	CNC	CNC
Bending	CNC	CNC
Welding	MIG/TIG	Laser/MIG/TIG

AESTHETIC

Overall Finish	Gloss with Powder Coated	Gloss with Powder Coated
Logo	Standard Sticker	Starfish Engraving with LED Lights

GENERAL

Model	SDHP 15	SDHP 30	SDH 60	SDH 15	SDH 30
Dry Weight in Kg	15	30	60	15	30
Drum Size in mm	Ø550 x 300	Ø700 x 300	Ø1000 x 300	Ø550 x 300	Ø700 x 300
Drum RPM	1000	1000	750	1000	1000
Drum Volume in Liter	71	115	235	71	115
Liquor Ratio	01:04.5	01:04.5	01:04.5	01:04.5	01:04.5
Over All Dimension in mm	800 x 1000 x 1050	940 x 1140 x 1100	1250 x 1550 x 1150	800 x 1000 x 1050	940 x 1140 x 1100
Door Open Dia in mm	395	540	600	395	540

TECHNICAL SPEC

Drain Outlet in mm	65	75	75	65	75
Centrifugal Effect (%)	70-75	70-75	65-75	70-75	70-75
Foundation	Required	Required	Required	Required	Required
Weight in Kgs	300	400	600	300	400
Motor Power in kw	2.25	4	7.5	2.25	4



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