



**MAXIMUS**<sup>TM</sup>



**OZONARIUM**  
Washed by nature



**Drizzle Jet** *Eco-Flow*





**There is no planet "B"**



## INTRODUCTION

Established in the year 1991, in New Delhi, India, "Pioneer has gained recognition as the noteworthy manufacturer and supplier of an assorted range of Laundry Equipment, Sustainable Garment processing machines and garment finishing machines. The national and international standards are followed throughout the engineering processes for fabricating machinery (an ISO 9001:2008 Certified Company). Our highly qualified professionals make optimum use of premium-grade raw materials with advanced tools and cutting-edge technology to manufacture this range. Optimum functionality, and high efficiency, corrosion resistance and longer service life are some of the remarkable features of our machines & equipment, we are known for heavy-duty machinery and top-notch after-sales services.

With the support of our modern product development activities, we also offer customized machinery with various technical specifications, to meet client's individual application requirements. Our state-of-the-art infrastructural base spreads over a large area of land encompassing various functional sub-units like engineering, manufacturing, quality control, warehousing & packaging, etc. These departments are installed with the most modern tools and advanced technology that empowers us to fulfil the bulk requirements of customers within assured time schedules of delivery. The allied processes of these departments are smoothly and systematically carried out under the management of our adroit workforce which holds immense knowledge in this domain.

We have recruited a squad of highly skilled and dedicated professionals, who utilize their experience to provide the highest level of satisfaction to the clients. They proficiently handle and control the installed equipment at our production unit, which results in bringing forth an immaculate product array. We are also backed by an adept team of quality analysts, who stringently test our entire output at all levels of production in order to ensure that it is free from all kinds of defects and discrepancies. "Sailing through success by tilting towards client satisfaction", our organization has achieved tremendous business growth in the industry.

With efficient logistics system, fast transportation facilities and wide distribution network, we are promptly delivering the ordered products at the client's end across any part of the nation. Under the visionary guidance and leadership of our mentor, Mr. Joginder Mahajan, we have witnessed the acme of success in the industry. His strong business insight and rich industry experience enable us to garner a huge base of contented client across the nation.



# MAXIMUS™ SERIES WASHER



**1:2 - 1:3  
LIQUOR  
RATIO**



## ECODRUM SYSTEM

**70%**  
Less Water,  
Chemicals,  
Steam and  
Waste water

**20%**  
Less Dyes

**50%**  
More  
Loading  
Allowance



**DRIZZLE JET  
CHEMICAL  
SPRAY  
TECHNOLOGY**



**PIONEER ULTIMATE  
CONTROL SYSTEM**  
IOT 4.0 enabled  
Inter-connected  
plant & machinery  
for better control &  
monitoring



**PLC  
CONTROLLED**  
Touch  
screen  
panel

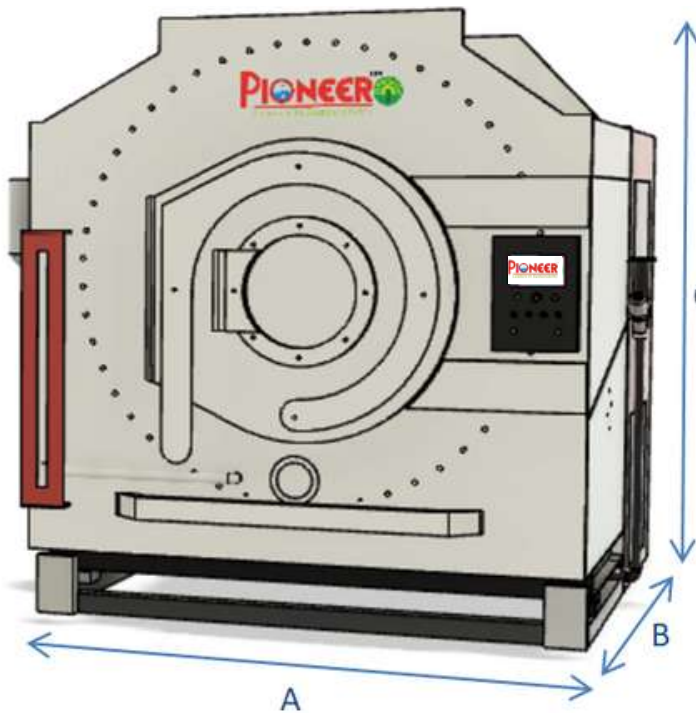


**RIBBED  
INNER  
DRUM**



**AUTOMATIC  
WATER FLOW  
METER**





### Salient Features:

- Equipped with Pioneer's Drizzle water circulation system that ensures reduction of liquor ratio (upto 1:3) without use of any additional electrical pump.
- Very low consumption of water, chemicals and energy.
- The outer drum and inner basket fabricated out of high grade stainless steel
- Fitted with variable frequency drive, fully automatic water and steam inlet / outlet as standard.
- Equipped with tilting feature for easy unloading of garments, automatic flow control, jet spray system and microprocessor controller as add-ons.

### PIONEER FRONT LOAD WASHING MACHINE SPECIFICATIONS:

MODEL	MAX-200	VX-280	MAX-320	MAX-400	MAX-520
Capacity (kg)	200	280	320	400	520
Basket size (mm)	1524 X 1220	1730 X 1220	1830 X 1220	1830 X 1524	2032 X 1524
Cylinder Volume (ltr)	2222	2855	3200	4001	4939
Driver motor (kw)	7.5	11.25	15	18.75	25
Water connection	2" BSP	2" BSP	2" BSP	2" BSP	2" BSP
Drain (inches)	6	6	6	6	6
Steam Connection	1 BSP X 1"	0.75" BSP	1.5 BSP X 1"	1.5 BSP X 1"	1.5 BSP X 1"
Width (mm) (A)	1830	1930	2300	2300	2540
Depth (mm) (B)	2500	2340	2500	3500	3500
Height (mm) (C)	2450	2750	2500	2500	2640
Weight (kg)	3100	3500	5100	5800	7200



**ENGINEERED  
ELECTRO POLISH  
DRUM FOR  
SPECIAL  
APPLICATIONS  
(Optional)**



**INTEGRATED  
SPRAY  
SYSTEM FOR  
LR UPTO 1:1**



**PUMP-LESS  
WATER  
CIRCULATION  
SYSTEM**



**MODULAR  
AUTO-  
MANUAL  
BYPASS  
CONTROL  
SYSTEM**



**FORWARD  
TILTING FOR  
EASY  
UNLOADING**



**BI-  
DIRECTIONAL  
ROTATION**



## SAMPLING / FIRST BULK WASHER



### PIONEER SAMPLING MACHINE SPECIFICATIONS:

Model - MAXIMUS GW SERIES	MAX-15 GW	MAX-30 GW	MAX-50 GW	MAX-120 GW
Inner Basket dimensions Diameter x Depth (mm)	740 x 510	920 x 610	920 x 760	1220 x 1220
Inner basket volume (lts)	231	400	500	1420
Motor	0.75 kw	1.5 KW	1.5 KW	3.75 KW
Water Inlet (inches)	2	2	2	2
Steam inlet (BSP inches)	1	1	1	1
Drain Size(inches)	2	2	3	4
Overall Dimension (wxdxh) (mm)	1050x1220x1670	1220 x 1370 x 1830	1220 x 1524 x 1830	1780 x 2023 x 2160
Net Weight (Kg)	600	650	750	1400
Control System	Fully Auto	Fully Auto	Fully Auto	Fully Auto



At Pioneer the only equation is:  
**Sustainable = Ecological + Ethical**



# FROBA SYSTEM

# Eco-Flow CHEMICAL SPRAY SYSTEM

Drizzle Eco-flow



Following processes can be done:

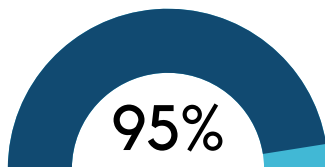
- New generation enzymes and special washing alternatives
- Random bleaching alternatives
- Stonewash alternatives
- Silicon softening and dipping
- Water repellent
- Dye dirtying

It can be used with following chemicals:

- Enzyme
- Potassium Permanganate
- Softener
- Silicone
- Coating
- Resin

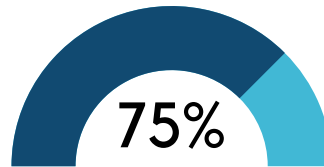


**ENZYME WASH**



**WATER**

with DRIZZLE  
saving upto 95%



**CHEMICAL**

with DRIZZLE  
saving upto 75%



**COATING & SOFTENING**





Drizzle Eco-flow

# Drizzle Jet *Eco-Flow*



NOZZLES SPRAYING  
90% OF THE TIME



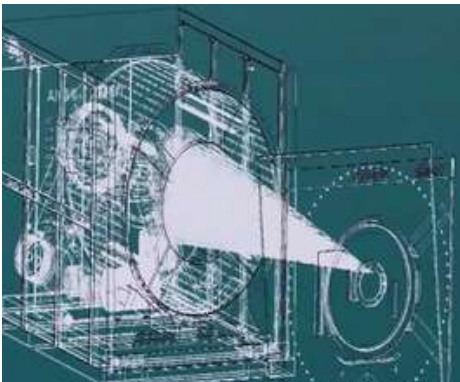
NOZZLES SPRAYING  
50% OF THE TIME



NOZZLES SPRAYING  
25% OF THE TIME



## Pioneer's proprietary ultra- precise flow-control



**100% Uniform coverage**



**Ultra-fine Nebulisation**



**Zero Drippage**



## PIONEER WASHER - EXTRACTOR



Pioneer Washer-Extractor is the efficient combination of conventional Washing Machine and Hydro-Extractor

### Salient Features:

- Keeps the washing area clean and dry
- Variable speed drive with high speed extraction, suitable for all kind of washing
- PLC controlled machine, which helps to control different programs of wash cycles, hence minimizing human supervision
- PWE is self-balancing and offers superior vibration-free silent operation
- Extremely versatile machine that can be used in commercial laundry-industries, hotels, hospitals and dry cleaning shops

### PIONEER WASHER - EXTRACTOR SPECIFICATIONS:

MODEL	CAPACITY (kg)	BASKET			DOOR OPENING DIAMETER (mm)	MOTOR (kw)	FINAL EXTRACTION (rpm)	G FORCE (G)	DRAIN OUTLET (inch)	NET WEIGHT (kg)
		VOLUME (ltr)	DIAMETER (mm)	DEPTH (mm)						
PWE-30	30	305	840	550	525	5.5	865	350	3	1200
PWE-50	50	517	970	700	525	5.5	865	350	3	1700
PWE-60	60	620	1020	760	670	11	800	350	4	2300
PWE-110	110	1100	1325	810	670	19	800	350	6	2850



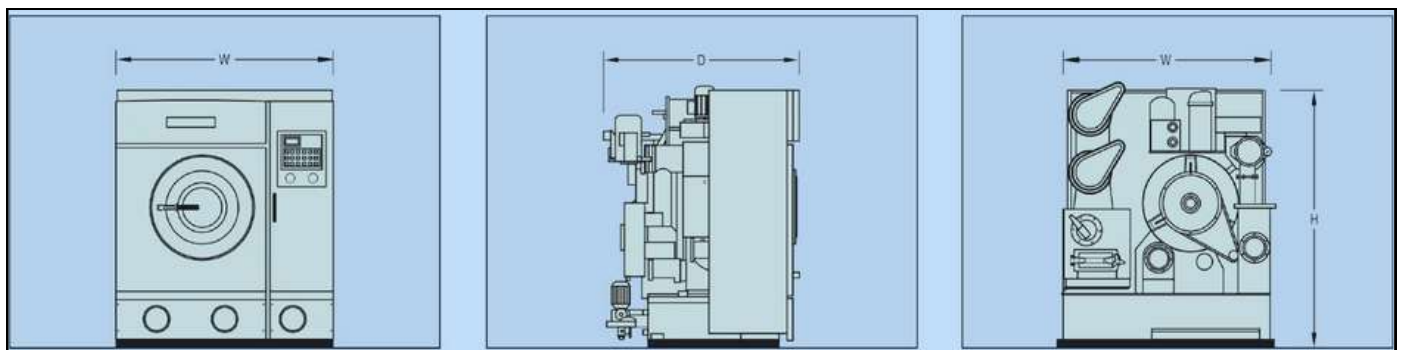


# PIONEER DRY-CLEANING MACHINE



## Salient Features:

- Smart programmable computer
- Three tanks
- Ecological filters
- Upto 99.8% solvent recovery
- Stainless steel solvent tanks, inner cylinder, still, air circuit & all parts in contact with solvent.
- Large capacity refrigeration system with auto cool down.
- Activated carbon absorption system with exhaust fan.
- Automatic self cleaning solvent tanks & solvent transfer.
- Continuous or batch distillation.
- Automatic dry control



## PIONEER DRY-CLEANING MACHINE SPECIFICATIONS:

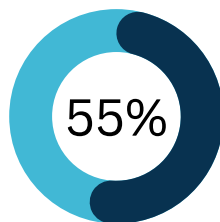
MODEL	CAPACITY Dry Weight Per Charge	CYLINDER SIZE VOLUME	SOLVENT STORAGE TANKS			ECO FILTER 1 Volume Surface	ECO FILTER 2 Volume Surface	DISTILL UNIT	ELECTRIC MOTORS				REFRI GERATION COMPRESS OR	HEATING DRYING DISTILLATION	WATER CONNL RETURN	DIMENSIONS W x D x H	NET WT / PACKED WT PACKED SIZE, WxDxH CRATED VOLUME
			1	2	3				MAIN DRIVE	FILTER 1 & 2	SOLVENT PUMP	DRYING BLOWER					
PPRE 10	8-10 Kg	Ø 665 X 460 260 Ltrs	100 Ltrs	100 Ltrs	120 Ltrs	22.1 Lit 1.8 M <sup>2</sup>	22.1 Lit 1.8 M <sup>2</sup>	90 Ltrs	1.5 KW	0.2 KW (2 No)	0.75 KW	0.75 KW	2.2 KW	5 KW 5 KW	0.1 0.5" BSP	1530 x 1230x 1925	1020 Kg / 1150 Kg 1730 x 1430 x 2175 5.38 M <sup>3</sup>

**O<sub>3</sub> OZONARIUM**  
Washed by nature



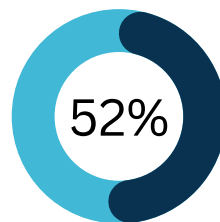
**Salient Features:**

- Remove back staining
- Ageing for true vintage looks
- Cleaning
- Bleaching
- Removal of Indigo stain
- Shade matching
- Eliminate need of PP spray
- Pigment look without pigments
- Black and grays fade naturally without turning brown.



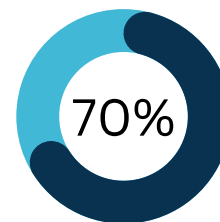
**ENERGY**

**With OZONARIUM  
saving upto 55%**



**WATER**

**With OZONARIUM  
saving upto 52%**



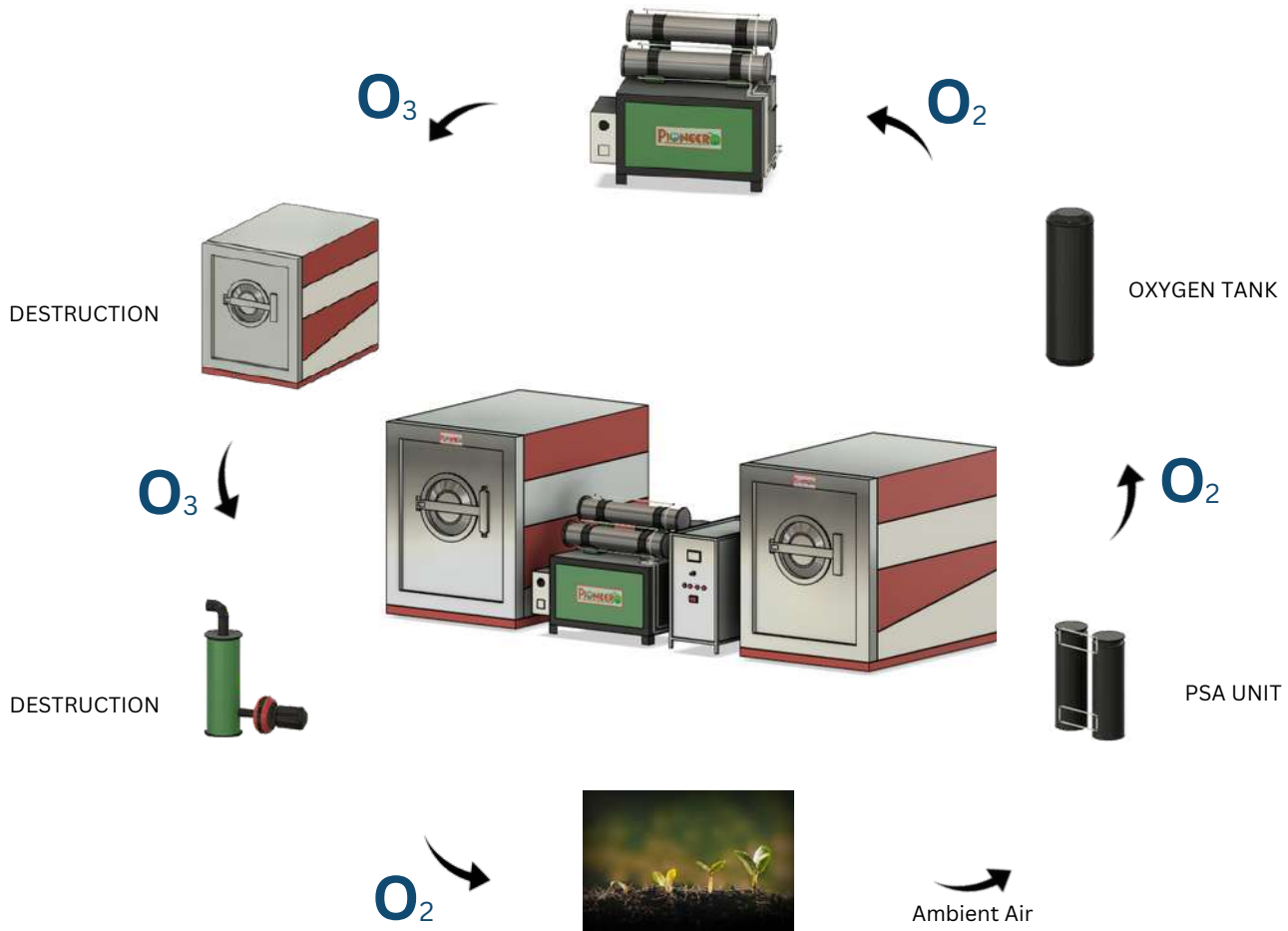
**CHEMICAL**

**With OZONARIUM  
saving upto 70%**

**How to save with PIONEER OZONARIUM**

- Ageing effect, vintage look on garments, without water and chemicals
- Remove backstaining without chemicals and water.
- Bleaching without bleaching agent and minimum water.





In Conventional laundries, the Ageing, Bleaching, Anti-Backstaining, Desizing and similar processes imply huge burden on laundries for the costs of chemicals, water, energy and water treatment.

The Ozonarium (Washed by Nature) system minimises, and in some cases eliminates, the additional expenditure on chemicals and helps our customer fulfil their environmental and sustainability vows.



Unique Effects with authentic clean look



Sustainable Fashion without use of any chemicals;  
ZERO ABS, ZERO KmNO4



Responsible room-temperature treatment with care for fibre



100% Repeatability controlled by technology





## CHALLENGER SERIES TUMBLER DRYER

Tumble dryer is used to remove moisture from a load of clothing and other textiles, generally shortly after they are cleaned in a washing machine, heated air is circulated to evaporate the moisture from the load in a rotating drum.



### Salient Features:

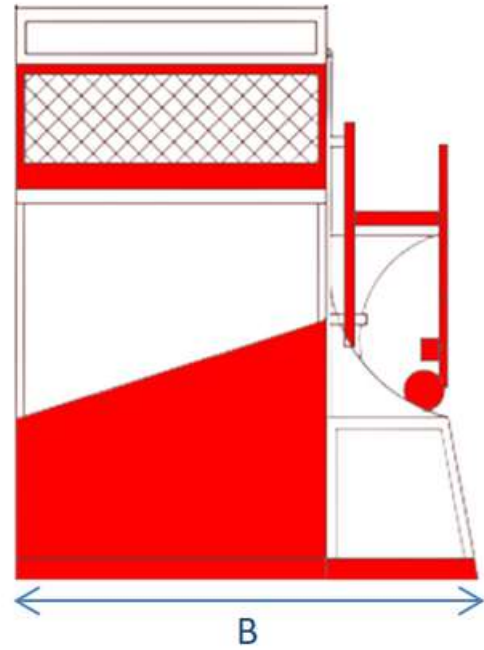
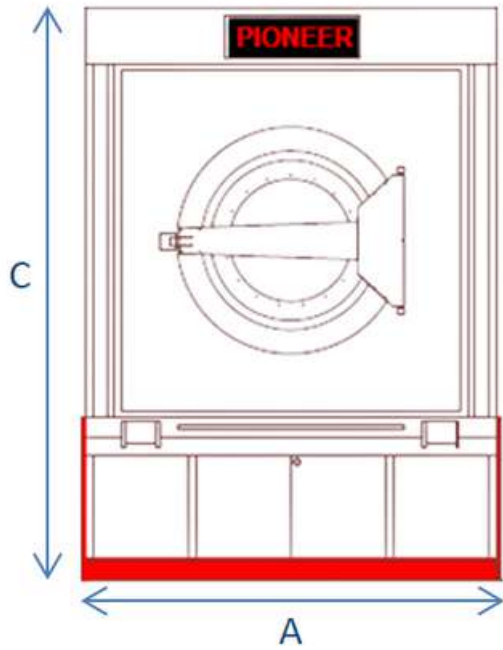
- Pioneer's highly efficient drying machine specially designed for hosiery, dyeing industries, towel plants, denim processing industries, hotels and hospitals.
- Machine has automatic panel features like auto reverse, auto forward, automatic digital temp. indicator, auto stop.
- Heating system as desired steam/electric/diesel.
- Basket made of stainless steel 304 grade, outer body double wall insulated with glass wool, fitted with high power blowers of swift drying.

**Pioneer also offers self tilting fully automatic tumble dryers with PLC control**

### PIONEER TUMBLE DRYER SPECIFICATIONS:

MODEL	PTD - 15	PTD - 30	PTD - 75	PTD - 120	PTD - 150	PTD -200
Capacity (kgs)	15	30	75	120	150	200
Basket size (mm)	800 X 600	920 X 920	1220 X 1220	1524 X 1220	1650 X 1220	1830 X 1524
Driver motor (kw)	0.37	0.75	1.5	2.25	2.25	3.75
Blower Motor (kw)	0.37	0.75	1.5	1.5	3	2.75 (2 nos.)
Door Opening (mm)	500	650	800	1000	1000	1050
Steam Connection	0.5" BSP	0.5" BSP	0.5" BSP	1" BSP	1" BSP	1" BSP
Steam Consumption	20 kg/hrs	40 kg/hrs	80 kg/hrs	150 kg/hrs	150 kg/hrs	200 kg/hrs
Diesel Consumption (ltr/hrs)	N.A.	1.5-2	2.5-3.5	5.5-6.5	5.5-6.5	8-11
Electric (kw)	9	12	18	N.A.	N.A.	N.A.
Width (mm) (A)	900	1050	1350	1750	1810	2210
Depth (mm) (B)	1170	1460	1690	1900	1990	2750
Height (mm) (C)	1740	1980	2058	2134	2260	3250
Weight (kg)	350	550	950	2150	2400	4150





**INVERTER  
CONTROLLED**



**ALL HEATING  
MODES  
AVAILABLE**



**RIBBED  
INNER DRUM**



**AUTO TILTING  
FOR EASY  
UNLOADING**



**BI-  
DIRECTIONAL  
ROTATION**



**IOT 4.0  
INTEGRATION**

Total plant  
control &  
monitoring



**STEEL  
RADIATOR**

10 bar  
operating  
pressure



**HUMIDITY  
CONTROLLED  
DRYING**



**COOL DOWN  
Cooling  
System**

Prevents  
wrinkles &  
hardening



**PLC  
CONTROLLED**

Touch screen  
panel



## PIONEER HYDRO EXTRACTOR



Hydro Extractor is also known as Centrifugal Machine. The wet material is placed in Hydro - Extractor, which has a wall of perforated metal "Stainless Steel", the internal drum rotates at high speed thus throwing out the water contained in it.

### Salient Features:

- The inner rotating perforated basket is dynamically balanced
- Outer drum and inner basket is made of Stainless Steel grade 304
- The body structure is made of high grade cast iron provided with heavy duty springs

## Pioneer's Hydro Extractor is self-balancing type

### PIONEER HYDRO EXTRACTOR SPECIFICATIONS:

MODEL	PHE - 50	PHE - 100
Capacity (kg)	50	100
Basket size (mm)	1000 X 300	1220 X 330
Max Extraction (rpm)	950	950
Motor (kw)	7.5	10
Drain (inch)	4.0" BSP	4.0" BSP
Width (mm)	1460	1620
Depth (mm)	1750	1920
Height (mm)	1100	1150





# CHEMICAL SPRAY CABIN



Zero-Smell Assurance

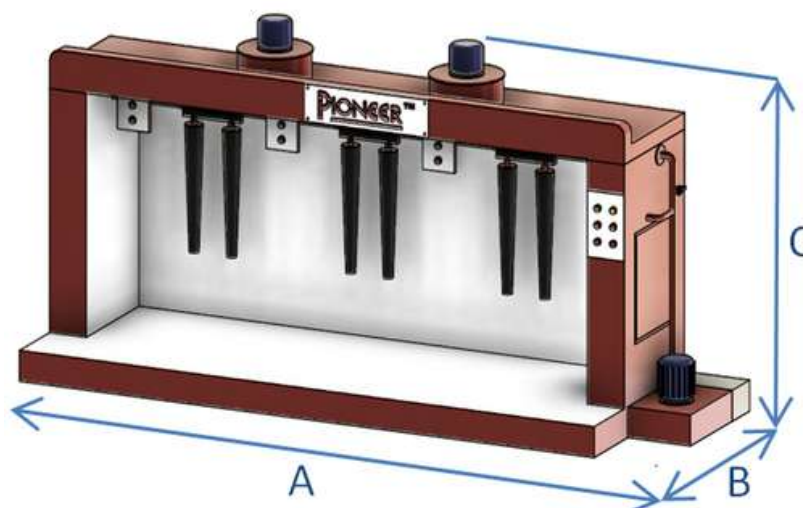


Spill-Proof Laminar water flow



Trouble-Free Suction blower & Pump

- **Best-in-class, maintenance-free Conveyor spray booths on demand**
- **Extremely Silent Suction blower operation**
- **Easy clean filtration system for choke-less application**
- **316L impeller blades of Suction pump**

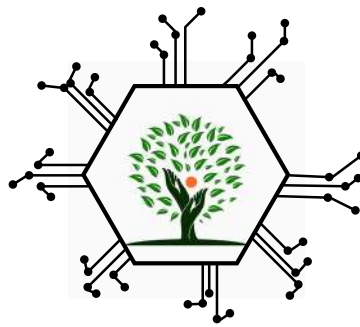


TYPE OF CABIN	PSC-SAMPLE	PSC-2R	PSC-4R	PSC-6R
Width (mm) (A)	1370	2740	4870	6400
Depth (mm) (B)	1830	1830	1830	1830
Height (mm) (C)	3250	3250	3250	3250

## OUR PRESTIGIOUS CLIENTELE







**SUSTAINABILITY THROUGH SCIENCE**



**DELHI ● MUMBAI ● BENGALURU ● KOLKATA ● BANGLADESH ● AFRICA ● SRI LANKA**



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