

# SPARKLE<sup>X</sup>

ADVANCE FILTRATION SYSTEM



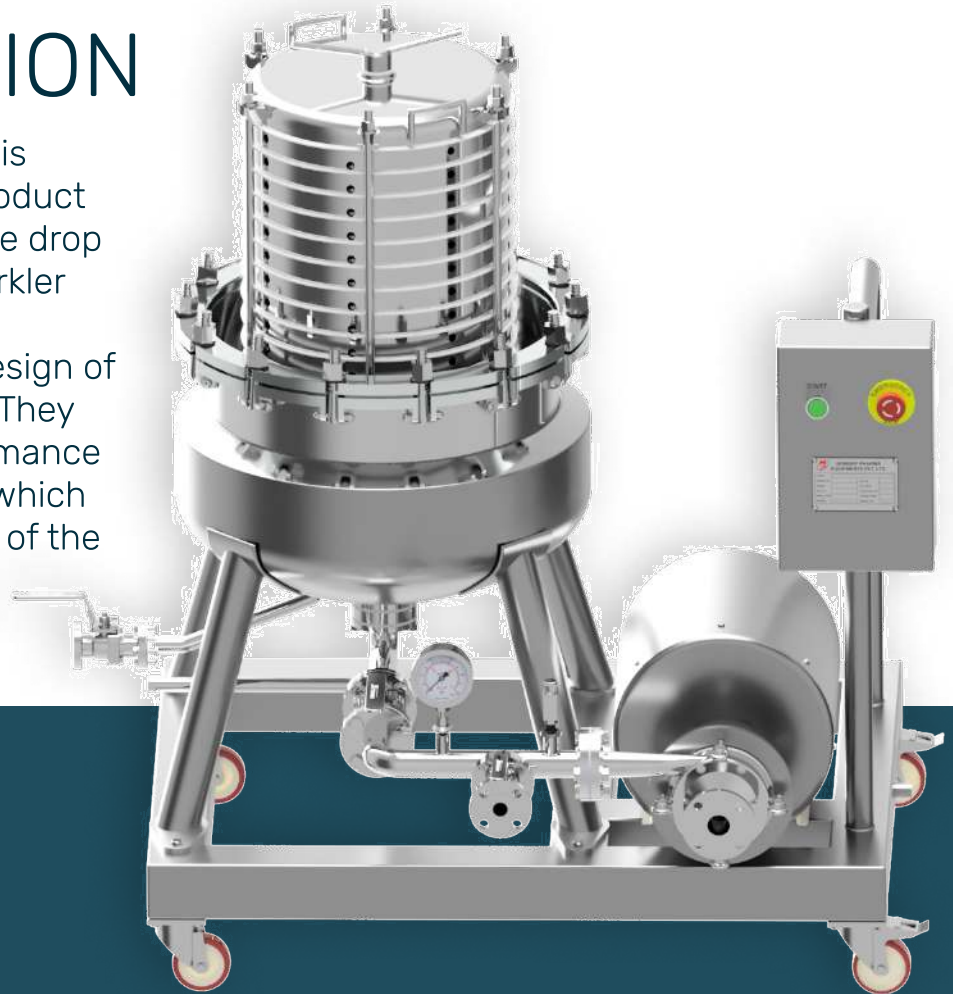
USER-FRIENDLY

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SMART TECHNOLOGY

# INTRODUCTION

The Zero Hold Up Filter Press is designed to deliver filtered product instantly at negligible pressure drop and production cost. Our Sparkler Filters meet the high quality requirements and hygienic design of the pharmaceutical industry. They feature compact, high performance pumps & filtration assembly, which achieve a very high efficiency of the filtration.

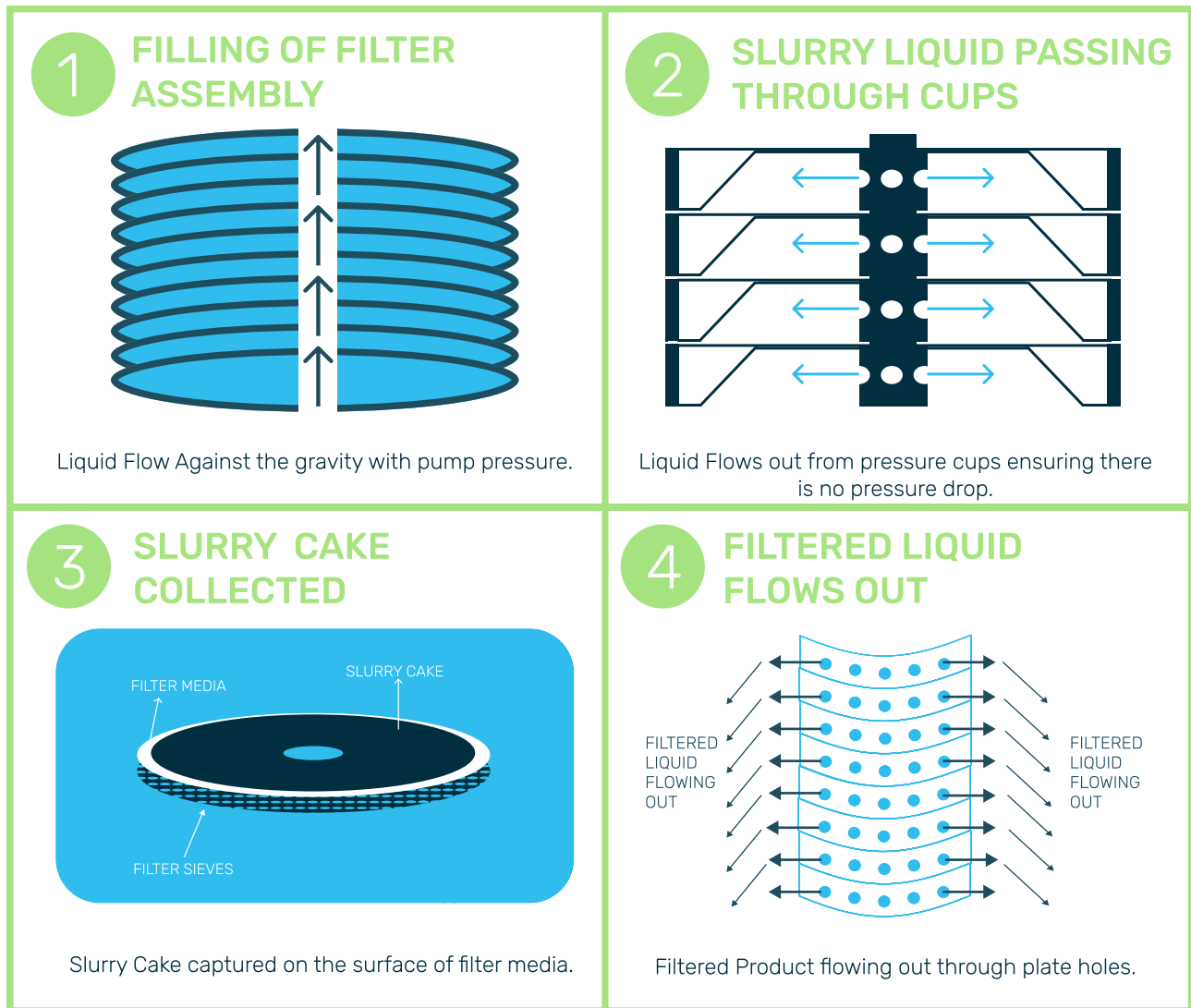


## WHY SPARKLEX

- **Guaranteed Single Pass Clarity**
- **Smartest Zero Hold-Up Technology**
- **Complies with CGMP Guidelines**
- **0.5x More Flow-Rate**
- **User-Friendly Design**
- **Fastest Service for Minimum Production Loss**
- **Expertise Since 1984**
- **Dedicated Team for Service & Maintenance**
- **Each and every unit undergoes FAT to ensure 100% Validation**
- **Provides Annual Maintenance Contract (AMC)**

# FILTRATION FLOW DESCRIPTION

The different stages of operation in the Filtration Assembly are explained below:



## CONSTRUCTION FEATURES

### Contact Part MOC

SS 316 / C - 276 / C - 22 & MANY MORE

### Coatings

Halar / ETFE / PFA / PP / PVDF

### Electrical Enclosure

As per GMP guidelines

### Contact Surface

Contact surfaces finish are as per Pharma requirements

### Accessories

Pressure Gauge, Safety Valve, Air Valve, Ball Valves

# BUILD QUALITY & BENEFITS

## STURDY STEEL STRUCTURE

Sparklex Machines have a robust steel structure made from SS 316 heavy metal plates for contact parts & SS 304 metal plates for non-contact parts. Mild Steel free model guaranteed. The strongest body rings with locking bolts add more strength to the whole structure which allows longevity and precision of critical characteristics of the machine.

## ADDITIONAL FEATURES

- Zero Hold-Up Technology
- By-Pass System
- N2 Purging Provision
- 0.5x More Flow Rate
- Improved Designed
- Jacket Circulation Piping

## USER-FRIENDLY FILTER ASSEMBLY

Filter Plates, Filter Sieves & Pressure Cups being a different components altogether makes cleaning, assembling & dis-mantling of components easy & less time consuming which leads to minimum production loss.

## UNBEATABLE FLOW RATED PUMPS

The flow-rate is the most important factors of our machines. Sparklex designs the pumps with stainless steel 316L grade steel that are machined by high precision CNC lathes. Pump variations like Gear Pump, Lobe Pump & Bearing Pump are available depending upon the product characteristics.



# WHAT MAKES US **BETTER**

Alongside our excellent design and build quality, we provide non-comparable service to our clients.

1

## MATERIAL OF **CONSTRUCTION**

SS316 L used in main shell, body rings, filter plates, pressure cups, scavenger plates, cartridge ring & all mandatory contact parts.  
Guaranteed No Mild Steel used for additional durability and longevity.

## **CNC MACHINED** COMPONENTS

Components which comes under maintenance of the machine are machined under experts supervision in CNC lathe machine only.

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## FACTORY ACCEPTANCE TEST (**F.A.T**)

Sparklex carries Internal Factory Acceptance Test in three stages -  
1. Hydro-Static Test, 2. Pump Pressure Test & 3. Filtration Test.

## **READY STOCK** SPARES

80% of Spare parts are in ready stock as we don't want that our customer suffer production loss cause of break-down of the machine.

4

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## 2500+ **REPEAT CUSTOMERS**

Our repeat customers is the biggest achievement we have achieved since 1984. from domestic to International customers we don't compromise on our service.

## **CUSTOMER SERVICE** 365 DAYS, 24 X 7

Well-Known for our customer service since 1984 now.  
Available 365 days a year & 24 hour a day.

6

# PRODUCT RANGE

MODEL	FILTRATION AREA	CAKE HOLDING CAP.	FLOW RATE	PUMP SIZE	MOTOR HP
SPX 8 (4)	0.18	1.56	600	1"	1 HP
SPX 8 (6)	0.27	2.34	900		
SPX 8 (8)	0.36	3.12	1200		
SPX 8 (10)	0.45	3.90	1500		
SPX 8 (12)	0.54	4.68	1800		
SPX 14 (8)	1.20	21.52	1600	1.25"	2 HP
SPX 14 (10)	1.50	26.90	2000		
SPX 14 (12)	1.80	32.28	2400		
SPX 14 (15)	2.25	40.35	3000		
SPX 18 (10)	2.00	44.70	4500	1.5"	3 HP
SPX 18 (12)	2.40	53.64	5400		
SPX 18 (15)	3.00	67.05	6750		
SPX 18 (18)	3.60	80.46	8100		
SPX 24 (12)	4.08	102.48	6000	2"	5 HP
SPX 24 (15)	5.10	128.10	7500		
SPX 24 (18)	6.12	153.72	9000		
SPX 24 (20)	6.80	170.80	10000		
SPX 24 (24)	8.16	204.96	12000		
SPX 33 (15)	9.30	246.00	15000	2.5"	7.5 HP
SPX 33 (18)	11.16	295.20	18000		
SPX 33 (20)	12.40	328.00	20000		
SPX 33 (24)	14.88	656.00	24000		
SPX 33 (33)	20.46	541.20	33000		

# DOCUMENTATION

The Technical Documentation includes the following:

## IQ

Installation  
Qualification

## DQ

Design  
Qualification

## PQ

Performance  
Qualification

## CQ

Cleaning  
Qualification

## OQ

Operating  
Manual

WARRANTY  
&  
COMPONENT  
CERTIFICATION

# FAT

## TEST A

HYDRO-STATIC TEST

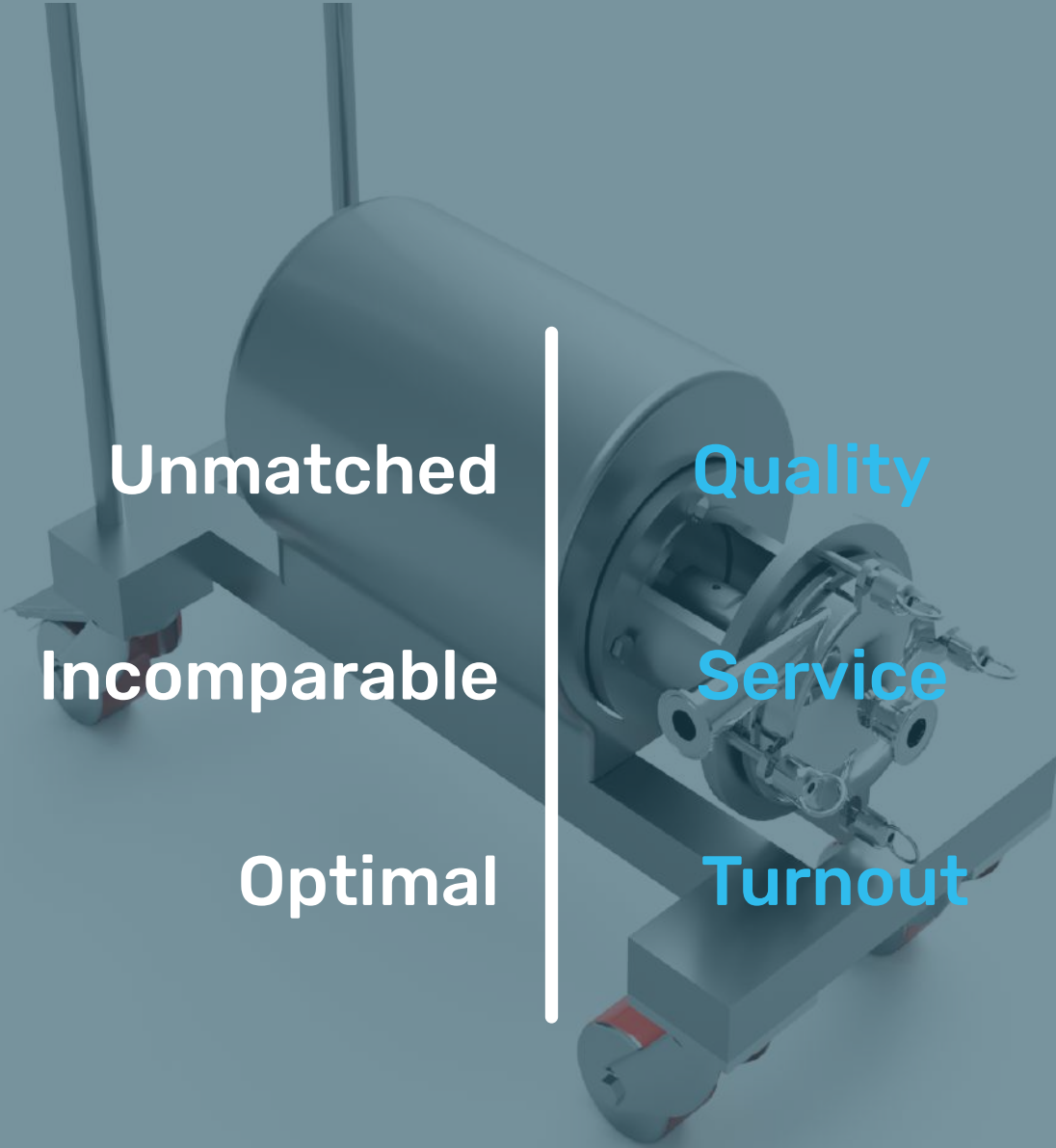
## TEST B

PUMP PRESSURE TEST

## TEST C

FILTRATION TEST





Unmatched  
Incomparable  
Optimal

Quality  
Service  
Turnout

# SPARKLEX

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