

# TSF-F20

## Sieving station

### Overview

- Explosion-proof design, CNEX certificate, CE certificate, ATEX certificate.
- Over-sized powder collection, continuous and efficient screening.
- Europe imported ultrasonic system with high efficiency.
- Inert gas protection, provide higher powder quality.
- Over pressure protection.
- Ease of changing sieving mesh.
- Mesh frame is produced by CNC, with good sealing ability.
- Level sensor.

### Material:

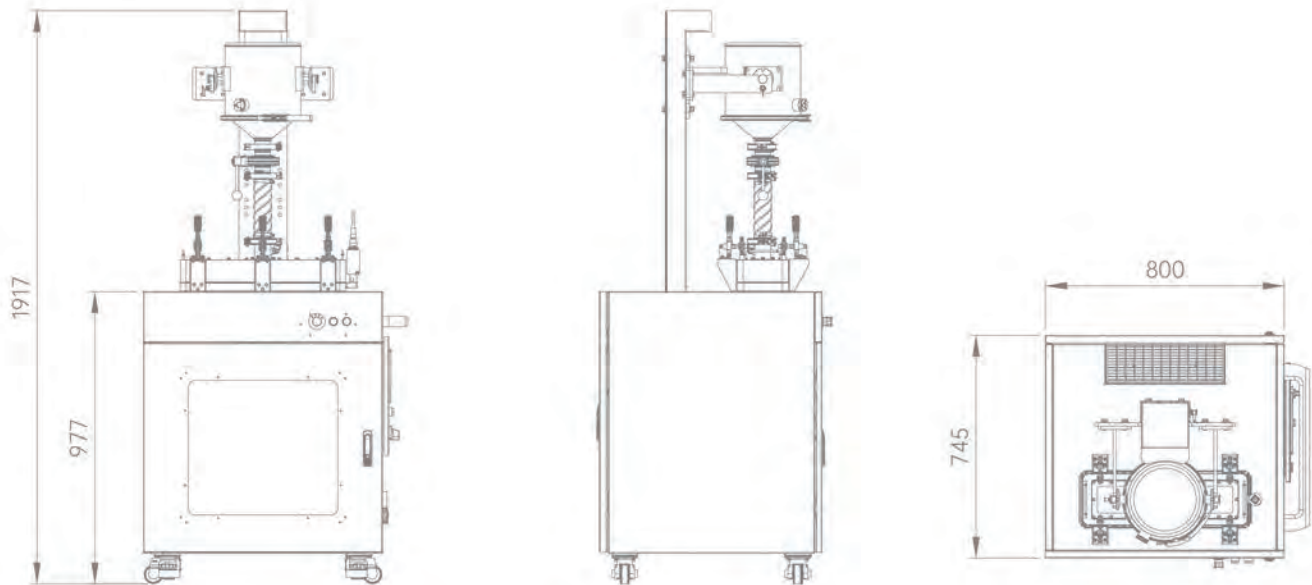
Body: Carbon steel spraying plastic

Internal: SUS304



### Working environment:

- Ambient temperature:  $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$
- This product is only used in safe area, inside(sieve chamber and powder bin) is classified as an explosive environment.



### Technical data

Order No.	TSF-F20 VA	TSF-F20 VAD
Ex mark	Ex h IIIC T100°C Da*	
Ambient temperature	-20°C~+40°C	
Rated voltage(V)	220/230	
Rated frequency(Hz)	50/60	
Rated power(W)	100	
Ultrasonic power(W)(max)	50	
Mesh outline(mm)	522×141	
Mesh size(μm)	25-250	
Inert gas pressure(bar)	1-2	
Noise value(dB)(max)	<60	
Filter grade	H	
Oxygen monitoring	×	✓






·This product is only used in safe area, inside(sieve chamber and powder bin) is calssified as an explosive environment.

Order No.	TSF-F20 VA	TSF-F20 VAD
Inert gas protection	✓	✓
Ultrasonic system	✓	✓
Oxygen and pressure monitoring	×	✓



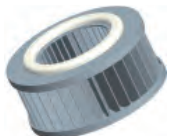
Remark: V-Yes, x-No

Note: The products in the figures are for reference only.





## Accessories

Picture	Description	Unit	Order No.
	<ul style="list-style-type: none"> <li>■ SUS304 material,with KF50 valve</li> <li>■ Capacity: 10L, with sensor entry</li> <li>■ Optional</li> </ul>	Pcs	EX838
	<ul style="list-style-type: none"> <li>■ SUS304 material,with KF40 valve</li> <li>■ Capacity:5L,with sensor entry</li> <li>■ For over-sized collection</li> <li>■ Optional</li> </ul>	Pcs	EX863
	<ul style="list-style-type: none"> <li>■ SUS304 material,with KF50 valve</li> <li>■ Capacity:1.2L</li> <li>■ Optional</li> </ul>	Pcs	EX804
	<ul style="list-style-type: none"> <li>■ SUS304 material,with KF40 valve</li> <li>■ Capacity:1.2L</li> <li>■ For over-sized collection</li> <li>■ Optional</li> </ul>	Pcs	EX805
	<ul style="list-style-type: none"> <li>■ SUS304 material,with KF50 valve</li> <li>■ Capacity:4L,with sensor entry</li> <li>■ Optional</li> </ul>	Pcs	EX808

## Accessories

Picture	Description	Unit	Order No.
	<b>Mesh</b>	Pcs	EX862-□
	<ul style="list-style-type: none"> <li>■ SUS316 material, one pcs finished CNC processing</li> <li>■ Size: 522×141mm</li> <li>■ Use for TSF-F20 VA、TSF-F20 VAD</li> <li>■ Optional</li> </ul>		Note: Sieve mesh EX862-75/50, representing the specification of the screen: 75um aperture, 50um wire diameter
	<b>205 Conductive hose</b>	Pcs	EX854-205
	<ul style="list-style-type: none"> <li>■ Both ends are fitted with KF50 connectors</li> <li>■ Φ50 conductive hose</li> <li>■ 205mm for lower connection 10L power bin</li> <li>■ Optional</li> </ul>		
	<b>265 Conductive hose</b>	Pcs	EX871-265
	<ul style="list-style-type: none"> <li>■ Both ends are fitted with KF40 connectors</li> <li>■ Φ40 conductive hose</li> <li>■ 265mm for lower connection 5L powder bin oversize collection</li> <li>■ Optional</li> </ul>		
	<b>210 Conductive hose</b>	Pcs	EX854-210
	<ul style="list-style-type: none"> <li>■ Both ends are fitted with KF50 connectors</li> <li>■ Φ50 conductive hose</li> <li>■ 210mm for upper connection 10L powder bin</li> <li>■ Optional</li> </ul>		
	<b>Anti-static HEPA filter</b>	Pcs	EX640
	<ul style="list-style-type: none"> <li>■ Minimum efficiency of 99.95% on 0.3 microns</li> <li>■ Size:Φ115×Φ60×50.5mm</li> <li>■ Included</li> </ul>		

## Accessories

Picture	Description	Unit	Order No.
	<b>Lifting truck</b>	Pcs	TL2000
	<ul style="list-style-type: none"> <li>Max loading:130kg</li> <li>Charging voltage:AC230V 50/60HZ</li> <li>Max lifting height:2000mm</li> <li>Power supply: Maintenance-free battery</li> <li>Optional</li> </ul>		
	<b>Grounding cable</b>	Pcs	PED6-5000
	<ul style="list-style-type: none"> <li>Size:6mm,double end</li> <li>Length:5000mm</li> <li>Included</li> </ul>		
	<b>Air input pipe</b>	Pcs	EX806-6
	<ul style="list-style-type: none"> <li>Imported pipe</li> <li>Pipe size:outside 16mm,inside 10 mm</li> <li>Fast connector with double end,size 1/2,3/8,1/4</li> <li>Included</li> </ul>		Note: EX806-6, 6 stands for length
	<b>Power cable</b>	Pcs	EX820-6
	<ul style="list-style-type: none"> <li>Specification:16A,1P+N+PE, 6h</li> <li>200-250V, IP67, blue</li> <li>cable 5x1.5mm<sup>2</sup>, length 6m</li> <li>Included</li> </ul>		Note: EX820-6, 6 stands for length