

Quadro® *FlexSift*

HIGH-CAPACITY SECURITY SCREENING
AND DE-AGGLOMERATION



PRECISION



TRUST



SERVICE

QUADRO® FLEXSIFT

QUADRO FlexSift Quadro brings sifting technology to a whole new level with its FlexSift rotary sifter. The Quadro® security FlexSift is the cutting edge in high-capacity screening & de-agglomeration application with its FlexSift rotary sifter. Rotary Sifter works on Principal of Centrifugal force which enables screening by pushing the product particles through a mesh. It effectively captures & retains impurities and other foreign materials easily and efficiently in a simple in-line configuration. The rotating action of the FlexSift combined with the custom designed spoiler arm gently de-agglomerates the powder with outreducing the size of the particles.

INTRODUCING FLEXSIFT S20 FLAIR

FLEXSIFT S20 Flair series from Quadro FlexSift is built through understanding customers' needs in pharmaceutical industry to improve overall productivity.

Key benefits of S20 Flair compared to Vibratory Sifter

- ▶ Reduced sifting time to ensure higher capacity throughput
- ▶ Reduced manual intervention
- ▶ Reduced no of sifters for a smaller foot print
- ▶ Provides in-line sifting to reduce dusting thereby reducing the amount of air-borne fine particles, minimizing product waste, and limiting operator exposure.
- ▶ Reduced noise levels & cleaning issues

FEATURES OF QUADRO® FLEXSIFT S20 FLAIR

UNIQUE FEATURES



SEAMLESS SIFTING

- In-process cleaning of perforations through purging for uninterrupted processing



UNIQUE DESIGN

- Minimizes product retention at end of process



UNMATCHED FLEXIBILITY

- Flexibility to use as Conical Mill

OTHER KEY FEATURES



Compact, in-line design

- Low profile design fits below most bulk bag unloader and mixer discharges



Positive, 360° discharge

- Effectively segregates and retains impurities & other foreign materials cutting sifting times up to 80%



Easy-to-clean/maintain

- Minimal no. of parts - single bolt locking mechanism secures screen assembly onto gearbox for fast changeover & maintenance Quick screen changes with no special tools required



User Friendly Design

- Motorized height adjustable stand
- Easy to use HMI based controls as standard
- Suitable for vacuum feed or gravity feed
- Range of spindle lengths available

S20 Flair is the ideal solution for pharma industry in formulation & API screening & deagglomeration application for the most difficult to handle powders.

S20 FLAIR TYPICAL CAPACITIES

Product	Screen Hole Diameter inches	Capacity (kg/hr)	Capacity (lbs/hr)	Product	Screen Hole Diameter inches (mm)	Capacity (kg/hr)	Capacity (lbs/hr)
Salt	0.062" (1.6)	8500	18,700	Lactose	0.018" (0.5)	1000	2200
	0.094" (2.4)	45,000	99,000		0.045" (1.1)	17,500	38,500
	0.125" (3.2)	50,000	110,000		0.062" (1.6)	18,000	39,600
Sugar	0.045" (1.1)	500	1100		0.094" (2.4)	20,000	44,000
	0.062" (1.6)	1000	2200		0.125" (3.2)	23,400	51,400
	0.094" (2.4)	10,000	22,000	Starch	0.062" (1.6)	22,500	49,500
Flour	0.125" (3.2)	15,000	33,000	Coffee Flavor	0.062" (1.6)	7500	16,500
	0.045" (1.1)	4200	9200	Cocoa Powder	0.062" (1.6)	6300	13,800
	0.062" (1.6)	5200	11,400	Food Flavoring	0.039" (1.0)	5000	11,000
	0.094" (2.4)	15,800	34,700	Sodium Borate	0.018" (0.5)	3900	8500
	0.125" (3.2)	17,500	38,500		0.079" (2.0)	16,800	36,900

TECHNICAL SPECIFICATIONS

Specifications	S20 Flair
Power	5HP(3.7kw)
RPM	700 – 1400
Sound Level	<80dBA
Approx. Dimension (Machine)	L X W X H 1468 x 1150 x 1625 (mm)
Approx. Dimension (Head)	LxWxH 350 x 350 x 700 (mm)
Approx. Dimension (Screen)	Diameter 203.2 (mm)

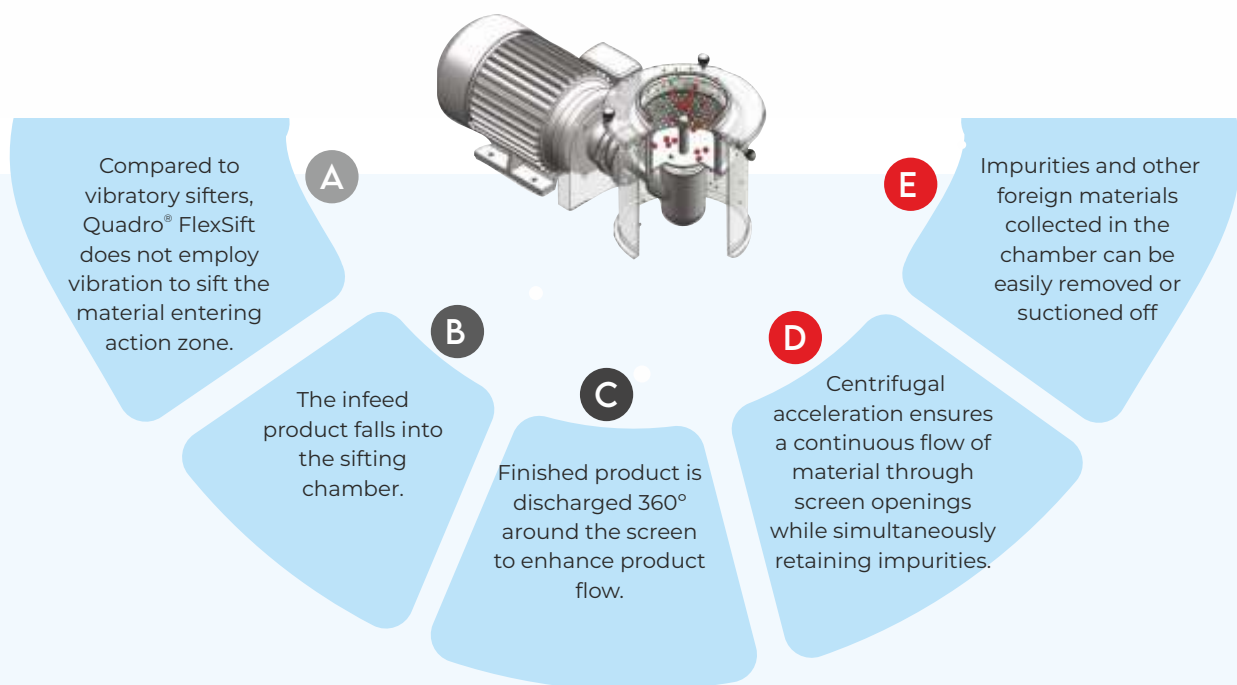
FLEXSIFT SIFTING & DE-AGGLOMERATION CAPABILITIES



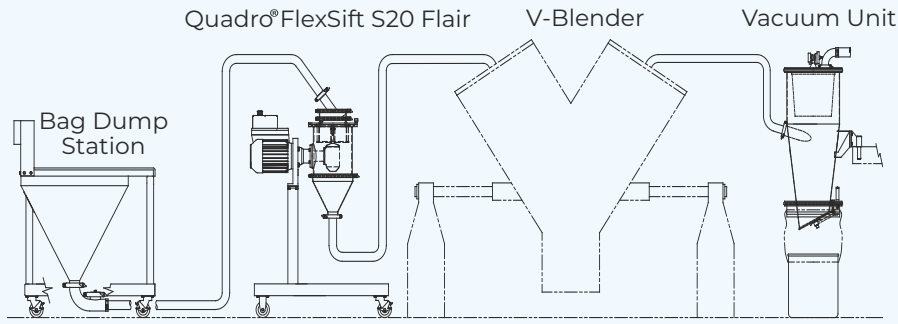
Feed Material

Post Discharge

FLEXSIFT PRINCIPLE OF OPERATION



SECURITY SCREENING DIRECTLY INTO BLENDER/RMG VIA PNEUMATIC CONVEYING



QUADRO OVERVIEW

For over 45 years, Quadro has made an unparalleled commitment to delivering the highest production efficiencies, product quality and consistency to market leaders in the Pharmaceutical, Food, Fine Chemical, Personal Care and Cosmetics industries worldwide.



With the engineering experience gained from developing reliable application specific solutions for major processors in more than 80 countries, our knowledge of size reduction and dispersion is unmatched. In fact, meeting the evolving needs of our customers drives the development of some of the industry's most advanced processing technologies and systems – such as the Quadro® Comil®, Quadro® FlexSift, Quadro® Fine Grind, Quadro Ytron® in-line mixers, dispersers and emulsifiers, Quadro® ShearFX, Quadro® HV-Emulsifier and Quadro Vac® vacuum transfer systems. Since 1976, Quadro has led the industry in research & development. Through the Quadro R&D



Test Centers we work directly with our customers to run real-world tests of their processes on the latest Quadro equipment. The result has been technical breakthroughs that have changed the way many of our customers manufacture, and led to new global processing industry standards. As the world's leading supplier of size reduction technology – with a vast global network of agents, distributors, OEMs and partners – Quadro provides a level of service and technical support that is unequalled in the industry. Our passion for technology is exceeded only by our dedication to meeting the needs of our customers.

IDEX MPT GLOBAL MANUFACTURING, SALES & SERVICE SUPPORT



- Quadro, Fitzpatrick & Steridose (Waterloo, Canada)
- Microfluidics (Westwood, USA)
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IDEX India Sales & Support Offices:



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