



bulk material handling valves

CATALOGUE

ROTARY VALVES

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DIVERTER VALVES

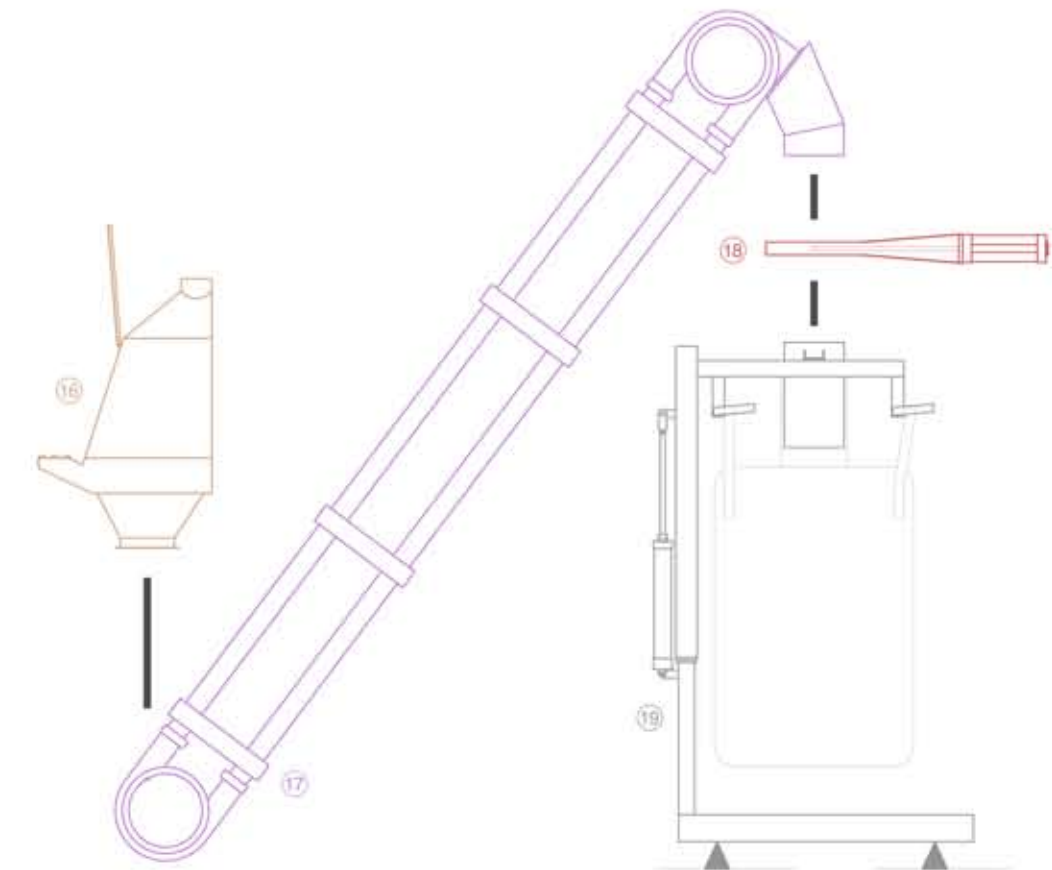
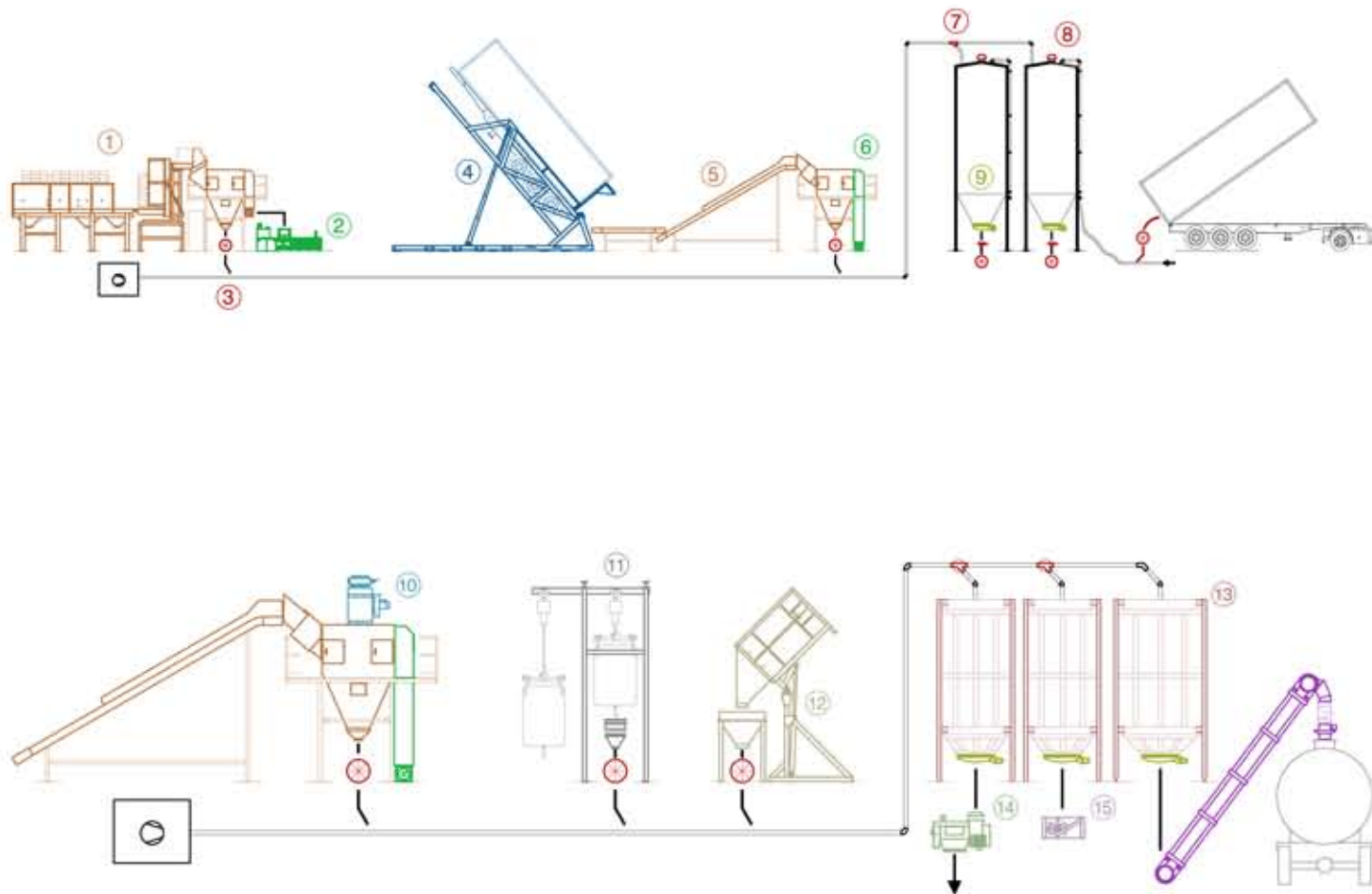
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VPP	Over Under pressure valve	46
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① BAG EMPTYING MACHINE
WITH DEPALLETER

② BALING PRESS

③ ROTARY VALVE

④ TILTING STATION

⑤ BAG EMPTYING MACHINE
WITH BELT CONVEYOR

⑥ EMPTY BAGS PRESSING SCREW

⑦ DIVERTER VALVE

⑧ RELIEF VALVE

⑨ BIN ACTIVATOR

⑩ AIR JET FILTER

⑪ DISCHARGER BIG BAG

⑫ OCTA-BIN

⑬ TREVIRA SILO

⑭ SIFTER

⑮ LUMP BRAKER

⑯ MANUAL DEBAGGING UNIT

⑰ AERO CONVEYOR

⑱ KNIFE VALVE

⑲ FIBC

COMAV'S DROP THROUGH ROTARY VALVES are designed to handle pneumatic conveying in dilute and dense phase for every industrial application such as food, plastic, rubber, chemical, pharmaceutical and mining. Thanks to COMAV'S TECHNOLOGY our valve is used for powder, granule, flakes, pellets assuring a perfect reliability and meeting a wide range of customer's requirements. The square flange and a special disalignment allows a complete cell discharge without any breakage of the product



APPLICATIONS

- METERING
- DISCHARGE
- POWDER
- GRANULE
- GENERAL PNEUMATIC CONVEYING

DESIGN

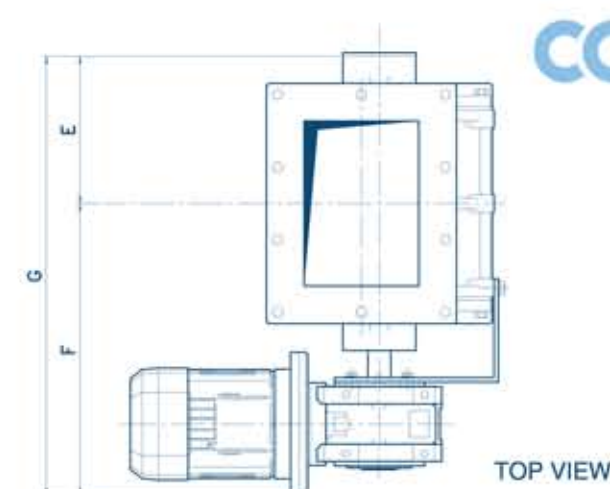
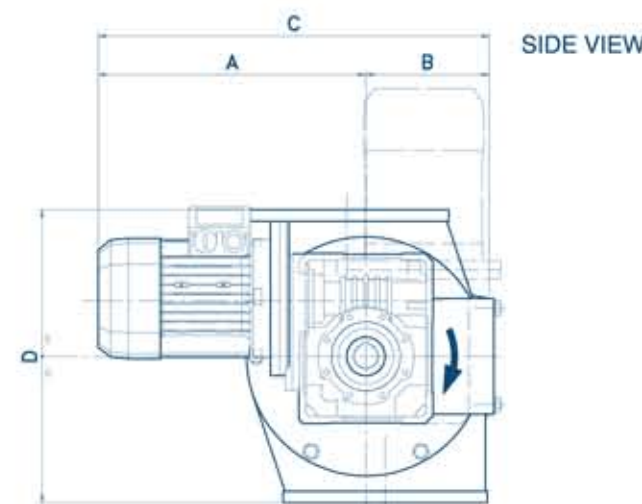
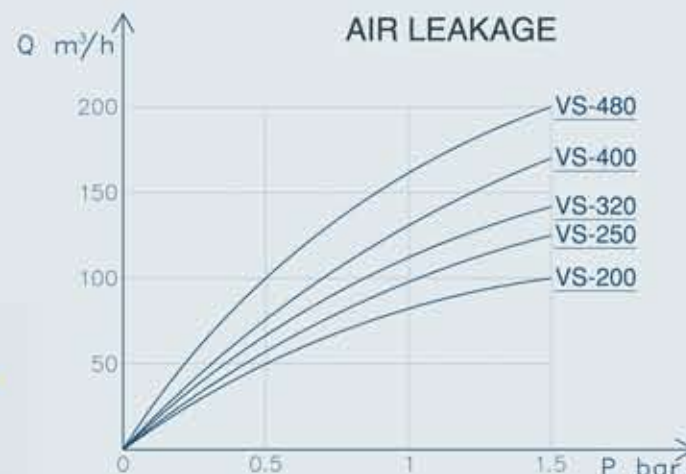
- FLANGING: SQUARE
- SIZE: 200,250,320,400,480
- HOUSING: CAST IRON CASTING, STAINLESS STEEL AISI 316L CASTING
- ROTOR: WELDED CARBON STEEL OR STAINLESS STEEL AISI 304, AISI 316L
- DRIVE: DIRECT DRIVE AS STANDARD OR CHAIN TRANSMISSION AVAILABLE IN BARE SHAFT VERSION. ALL OUR DRIVES CAN BE CONTROLLED BY INVERTER.
- ROBUST&COMPACT DESIGN WITH MINIMAL ROTOR TOLERANCE

FEATURES

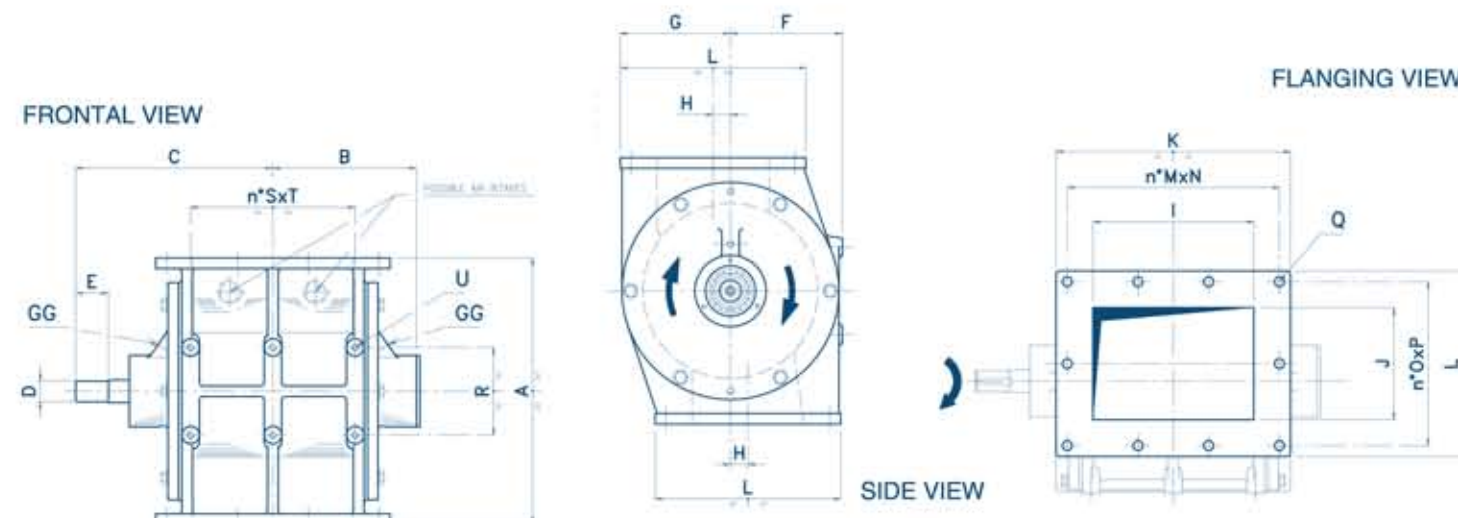
- PRESSURE: 1,5 BAR
- TEMPERATURE: MAX 65 °C
- AIR LEAKAGE: SEE CHART
- INTEGRATED CASTING INNER HOPPER (BETTER FILLING EFFICIENCY)
- 8 VANES OPEN OR CLOSED ENDS ROTOR

OPTIONALS

- DIFFERENT ROTORS FOR DIFFERENT PRODUCTS
- NICKEL COATING
- NICKEL COATING FOOD GRADE
- HARD CHROMIUM PLATING
- VARIOUS POLISHING DEGREES
- FOOD GRADE GASKET
- HIGH TEMPERATURE CONFIGURATION
- FEEDING SHOE
- FEEDING HOPPER COMPLETE WITH AIR INTAKES
- AIR BLOW-IN PURGE
- AIR INTAKES HOLES ON HOUSING
- SPEED DISPLAY
- SPEED CONTROLLER



	A	B	C	D	E	F	G	L/Rev.	Rev./1' max	POWER	WEIGHT
200	350	130	480	320	190	380	570	4,5	30	Kw 0.55	Kg 80
250	350	160	510	380	205	395	600	8	30	Kw 0.55	Kg 106
320	380	195	575	450	221	421	642	16	30	Kw 1,10	Kg 176
400	400	240	640	570	280	482	762	37	30	Kw 1,50	Kg 282
480	430	305	735	660	315	517	832	65	30	Kw 2.20	Kg 538



	A	B	C	D	E	F	G	H	I	J	K	L	M
200	320	190	267	ø30	47	130	132,5	20	200	140	285	225	3
250	380	205	282	ø30	47	160	157,5	25	230	160	335	265	3
320	450	221	304	ø35	53	195	192,5	40	260	200	365	305	3
400	570	280	368	ø40	56	240	237,5	55	370	260	475	365	4
480	660	315	405	ø52	65	305	282,5	70	444	300	570	425	4

	N	O	P	Q	R	S	T	U	L/Rev.	WEIGHT	GG
200	86	2	99	ø12	115	1	210	M10	4,5	Kg 64	1/8" GAS
250	101	2	117	ø14	125	2	117,5	M10	8	Kg 90	1/8" GAS
320	111	2	136	ø14	175	2	132,5	M10	16	Kg 147	1/8" GAS
400	110	2	165	ø14	220	3	125	M10	37	Kg 260	1/4" GAS
480	132	2	191	ø18	220	3	150	M10	65	Kg 492	1/4" GAS



COMPLIANCE



II 1/3DC T135°- II 2/3DC T135°



VSDT DROP THROUGH ROTARY VALVE

COMAV'S DROP THROUGH ROTARY VALVES are designed to handle pneumatic conveying in dilute phase for every industrial application such as food, plastic, rubber, chemical, pharmaceutical and mining. Thanks to COMAV'S TECHNOLOGY our valve is used for powder, granule, flakes, pellets assuring a perfect reliability and meeting a wide range of customer's requirements. The round flange allows an easy connection with line/equipment.



APPLICATIONS

METERING
DISCHARGE
POWDER
GRANULE
GENERAL PNEUMATIC CONVEYING

DESIGN

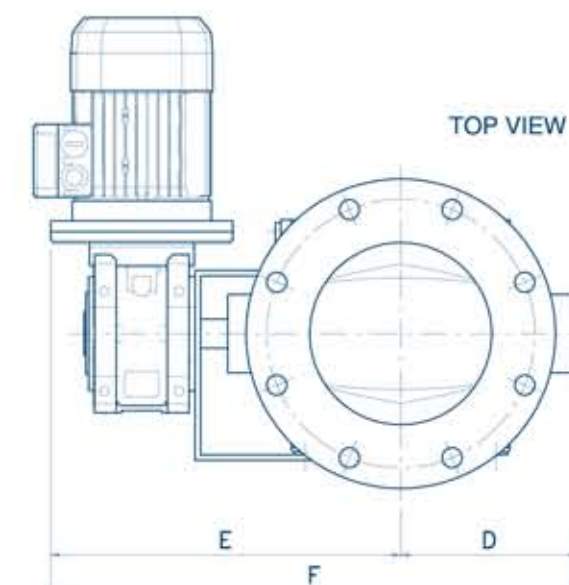
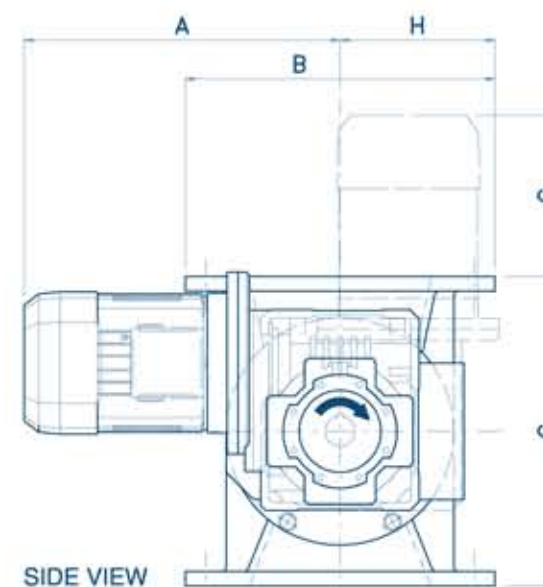
FLANGING: ROUND UNI PN 10
SIZE: DN200, DN250
HOUSING: CAST IRON CASTING
ROTOR: WELDED CARBON STEEL OR STAINLESS STEEL AISI 304, AISI 316L
DRIVE: DIRECT DRIVE OR CHAIN TRANSMISSION AVAILABLE IN BARE SHAFT VERSION. ALL OUR DRIVES CAN BE CONTROLLED BY INVERTER.
ROBUST&COMPACT DESIGN WITH MINIMAL ROTOR TOLERANCE

FEATURES

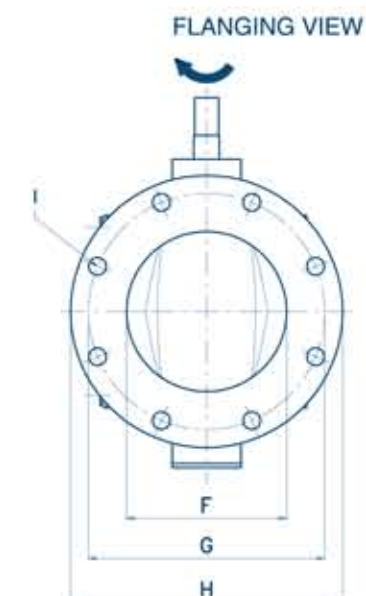
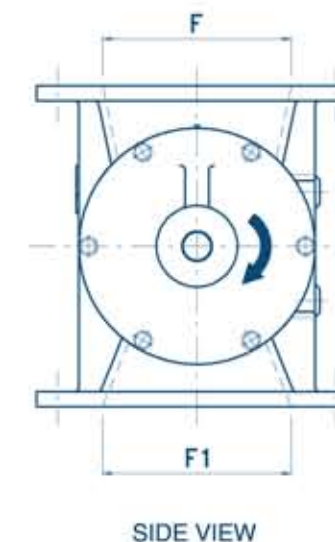
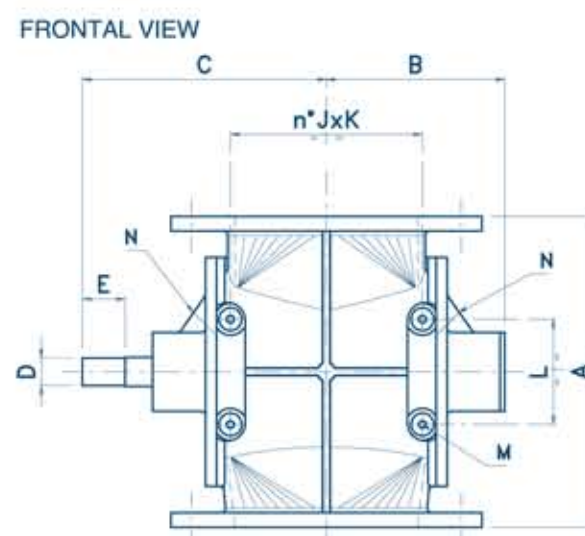
PRESSURE: 1,5 BAR
TEMPERATURE: MAX 65 °C
AIR LEAKAGE: SEE CHART
INTEGRATED CASTING INNER HOPPER (BETTER FILLING EFFICIENCY)
8 VANES OPEN OR CLOSED ENDS ROTOR

OPTIONALS

DIFFERENT ROTORS FOR DIFFERENT PRODUCTS
NICKEL COATING
NICKEL COATING FOOD GRADE
HARD CHROMIUM PLATING
VARIOUS POLISHING DEGREES
FOOD GRADE GASKET
HIGH TEMPERATURE CONFIGURATION
FEEDING SHOE
FEEDING HOPPER COMPLETE WITH AIR INTAKES
AIR BLOW-IN PURGE
AIR INTAKES HOLES ON HOUSING
SPEED DISPLAY
SPEED CONTROLLER



	A	B	C	D	E	F	G	H	L/Rev.	Rev./1' max	POWER	WEIGHT
200	350	ø340	340	195	565	565	177	75	4,5	30	Kw 0.55	Kg 95
250	350	ø395	400	210	613	613	147	75	8	30	Kw 0.75	Kg 115



	A	B	C	D	E	F	F1	G	H	I	J	K	L	M	L/Rev.	N
200	340	195	267	ø30	47	ø200	ø200	ø295	ø340	8Xø22	1	210	115	4xM10	4,5	1/8" GAS
250	400	205	282	ø30	47	ø265	ø250	ø350	ø395	12Xø22	2	117,5	125	6xM10	8	1/8" GAS



COMAV'S BLOW THROUGH ROTARY VALVES are designed to handle pneumatic conveying in dilute and dense phase for every industrial application such as food, plastic, rubber, chemical, pharmaceutical and mining. Thanks to COMAV'S TECHNOLOGY our valve is used for powder and fine products assuring a perfect reliability and meeting a wide range of customer's requirements. The square flange and a special disalignment allows a complete cell discharge without any breakage of the product.



APPLICATIONS

POWDER
FINE PRODUCTS
VACUUM CONVEYING
PNEUMATIC CONVEYING

DESIGN

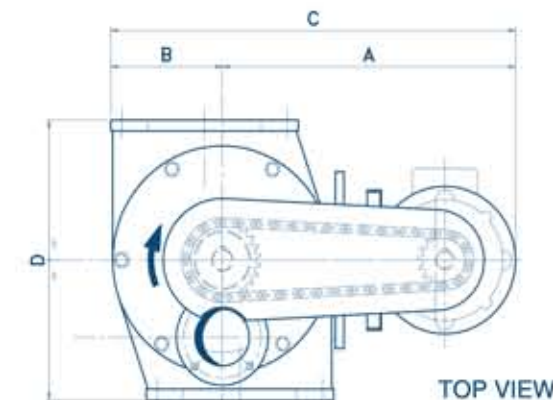
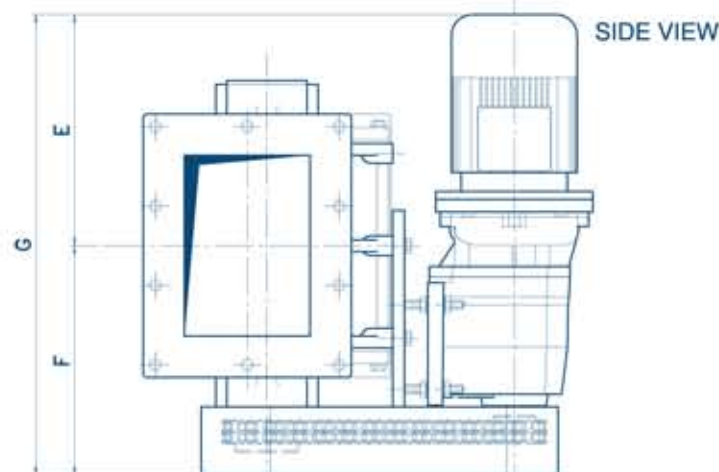
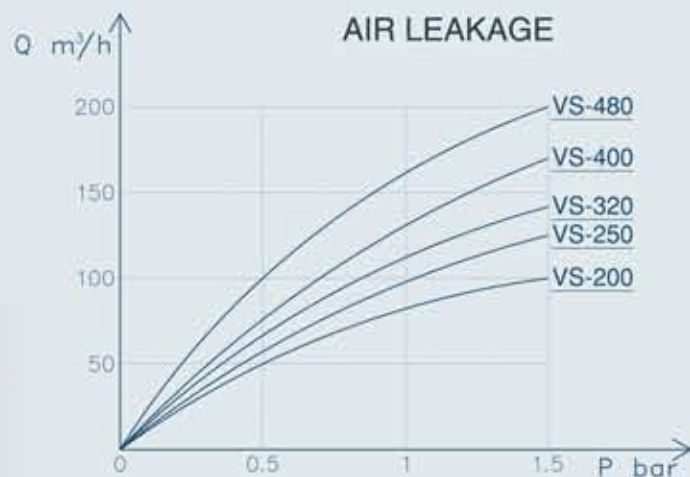
FLANGING: SQUARE
SIZE: 200,250,320,400,480
HOUSING: CAST IRON CASTING, STAINLESS STEEL AISI 316L CASTING
ROTOR: WELDED CARBON STEEL OR STAINLESS STEEL AISI 304, AISI 316L
DRIVE: CHAIN TRASMISSION AS STANDARD OR DIRECT DRIVE. AVAILABLE IN BARE SHAFT VERSION. ALL OUR DRIVES CAN BE CONTROLLED BY INVERTER.
ROBUST&COMPACT DESIGN WITH MINIMAL ROTOR TOLERANCE

FEATURES

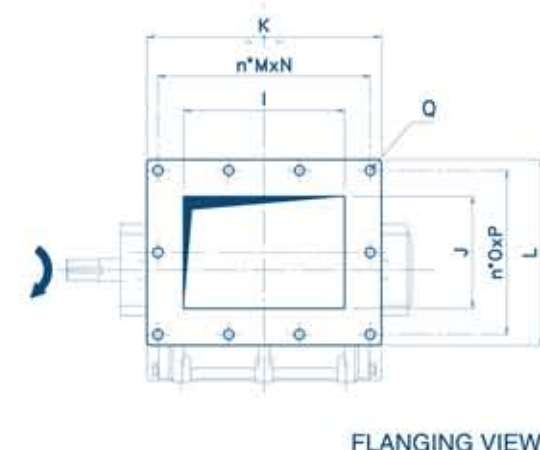
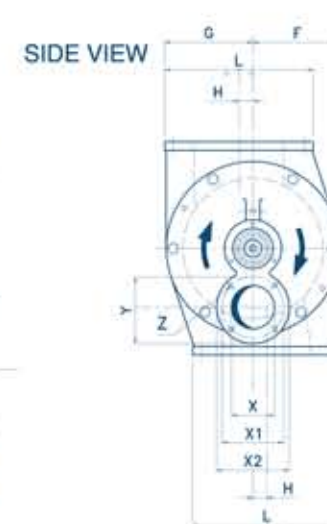
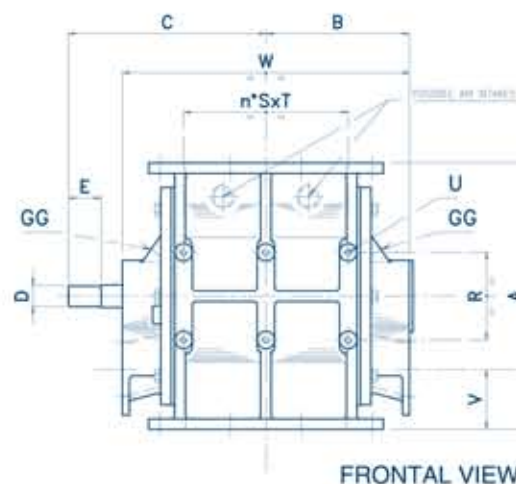
PRESSURE: 1,5 BAR
TEMPERATURE: MAX 65 °C
AIR LEAKAGE: SEE CHART
INTEGRATED CASTING INNER HOPPER (BETTER FILLING EFFICIENCY)
8 VANES OPEN ENDS ROTOR

OPTIONALS

DIFFERENT ROTORS FOR DIFFERENT PRODUCTS
NICKEL COATING
NICKEL COATING FOOD GRADE
HARD CHROMIUM PLATING
VARIOUS POLISHING DEGREES
FOOD GRADE GASKET
HIGH TEMPERATURE CONFIGURATION
FEEDING HOPPER COMPLETE WITH AIR INTAKES
AIR BLOW-IN PURGE
AIR INTAKES HOLES ON HOUSING
SPEED DISPLAY
SPEED CONTROLLER



	A	B	C	D	E	F	G	L/Rev.	Rev./1' max	POWER	WEIGHT
200	360	132,5	492,5	320	235	280	515	4,5	30	Kw 0.37	Kg 90
250	410	157,5	567,5	380	255	295	550	8	30	Kw 0.55	Kg 127
320	455	192,5	647,5	450	274	321	595	16	30	Kw 0.75	Kg 196
400	555	237,5	792,5	570	285	380	665	37	30	Kw 1,10	Kg 345
480	635	282,5	917,5	660	255	425	680	65	30	Kw 1.50	Kg 585



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
200	320	190	267	ø30	47	130	132,5	20	200	140	285	225	3	86	2	99
250	380	205	282	ø30	47	160	157,5	25	230	160	335	265	3	101	2	117
320	450	221	304	ø35	53	195	192,5	40	260	200	365	305	3	111	2	136
400	570	280	368	ø40	56	240	237,5	55	370	260	475	365	4	110	2	165
480	660	315	405	ø52	65	305	282,5	70	444	300	570	425	4	132	2	191

	Q	R	S	T	U	V	W	X	Y	Z	X1	X2	L/Rev.	WEIGHT	GG
200	ø12	115	1	210	M10	70	380	ø60	100	M10	ø90	ø110	4,5	Kg 68	1/8" GAS
250	ø14	125	2	117,5	M10	85	410	ø77	117	M10	ø110	ø130	8	Kg 98	1/8" GAS
320	ø14	175	2	132,5	M10	100	442	ø99	148	M10	ø140	ø160	16	Kg 160	1/8" GAS
400	ø14	220	3	125	M10	131	560	ø129	189	M12	ø170	ø200	37	Kg 285	1/4" GAS
480	ø18	220	3	150	M10	147,5	630	ø156	108	M14	ø210	ø240	65	Kg 510	1/4" GAS



COMAV'S BLOW THROUGH ROTARY VALVES are designed to handle pneumatic conveying in dilute and dense phase for every industrial application such as food, plastic, rubber, chemical, pharmaceutical and mining. Thanks to COMAV'S TECHNOLOGY our valve is used for powder and fine products assuring a perfect reliability and meeting a wide range of customer's requirements. The round flange allows an easy connection with line/equipment.



APPLICATIONS

POWDER
FINE PRODUCTS
VACUUM CONVEYING
PNEUMATIC CONVEYING

DESIGN

FLANGING: ROUND UNI PN 10
SIZE: DN200, DN250
HOUSING: CAST IRON CASTING
ROTOR: WELDED CARBON STEEL OR STAINLESS STEEL AISI 304, AISI 316L
DRIVE: CHAIN TRANSMISSION AS STANDARD OR DIRECT DRIVE. AVAILABLE IN BARE SHAFT VERSION. ALL OUR DRIVES CAN BE CONTROLLED BY INVERTER.
ROBUST & COMPACT DESIGN WITH MINIMAL ROTOR TOLERANCE

FEATURES

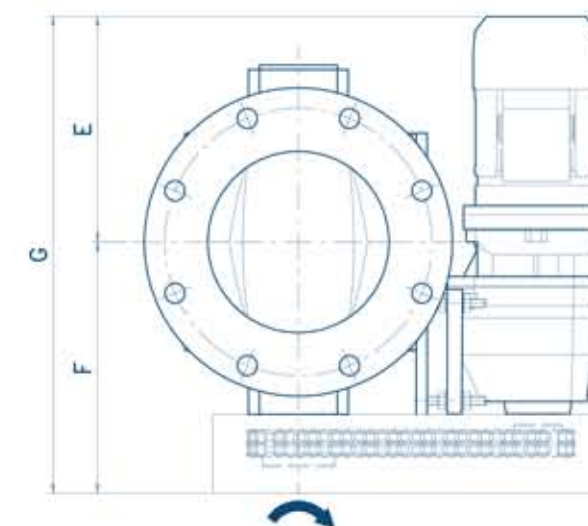
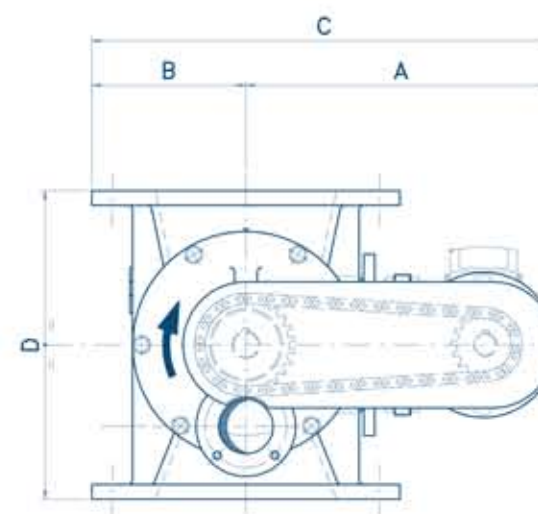
PRESSURE: 1,5 BAR
TEMPERATURE: MAX 65 °C
AIR LEAKAGE: SEE CHART
INTEGRATED CASTING INNER HOPPER (BETTER FILLING EFFICIENCY)
8 VANES OPEN ENDS ROTOR

OPTIONALS

DIFFERENT ROTORS FOR DIFFERENT PRODUCTS
NICKEL COATING
NICKEL COATING FOOD GRADE
HARD CHROMIUM PLATING
VARIOUS POLISHING DEGREES
FOOD GRADE GASKET
HIGH TEMPERATURE CONFIGURATION
FEEDING HOPPER COMPLETE WITH AIR INTAKES
AIR BLOW-IN PURGE
AIR INTAKES HOLES ON HOUSING
SPEED DISPLAY
SPEED CONTROLLER



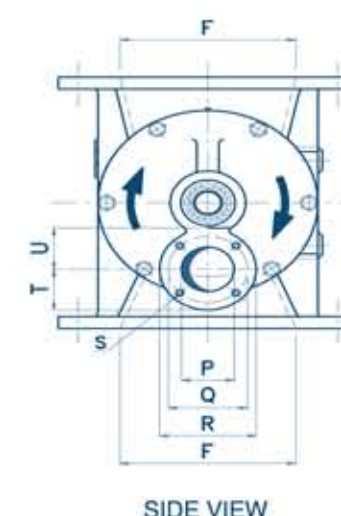
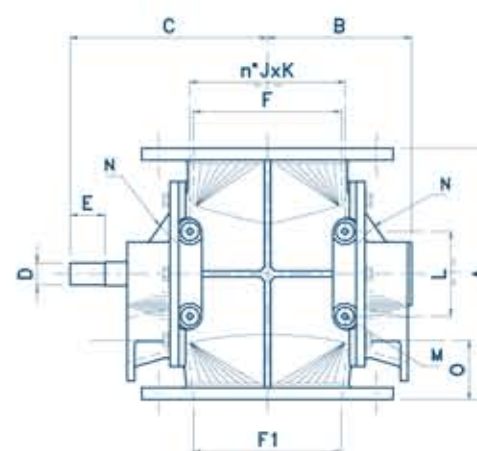
SIDE VIEW



TOP VIEW

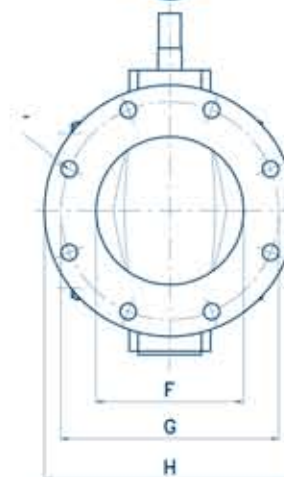
	A	B	C	D	E	F	G	L/Rev.	Rev./1' max	POWER	WEIGHT
200	360	ø340	340	250	280	530	515	4,5	30	Kw 0.55	Kg 110
250	410	ø395	400	255	295	550	550	8	30	Kw 0.75	Kg 130

FRONTAL VIEW



SIDE VIEW

FLANGING VIEW



	A	B	C	D	E	F	F1	G	H	I	J	K
200	340	190	267	ø30	47	ø200	ø200	ø295	ø340	Ø22	1	210
250	400	205	282	ø30	47	ø265	ø250	ø350	ø395	Ø22	2	117,5
	L	M	O	P	Q	R	S	T	U	L./Rev.	N	
200	115	Ø22	80	ø60	ø90	ø110	M10	55	55	4,5	1/8" GAS	
250	125	Ø22	95	ø77	ø110	ø130	M10	65	65	8	1/8" GAS	



VSFC ROTARY VALVE is designed to discharge containers holding powder and granule. Thanks to COMAV'S TECHNOLOGY VSFC can be used upon all hard application assuring an average discharge time of 50/60 minutes per 30" Container. The capacity of valve and its shape are in according to the main logistic companies's needs.



APPLICATIONS

ON CHASSIS
GENERAL PNEUMATIC CONVEYING
POWDER
GRANULE

DESIGN

FLANGING: SQUARE
SIZE: 320
HOUSING: CAST IRON CASTING,
STAINLESS STEEL AISI 316L CASTING
ROTOR: WELDED CARBON STEEL OR
STAINLESS STEEL AISI 304, AISI 316L
DRIVE: DIRECT DRIVE, CHAIN TRANSMISSION,
ELECTRIC OR HYDRAULIC MOTOR
AVAILABLE IN BARE SHAFT VERSION.
ROBUST & COMPACT DESIGN
WITH MINIMAL ROTOR TOLERANCE

FEATURES

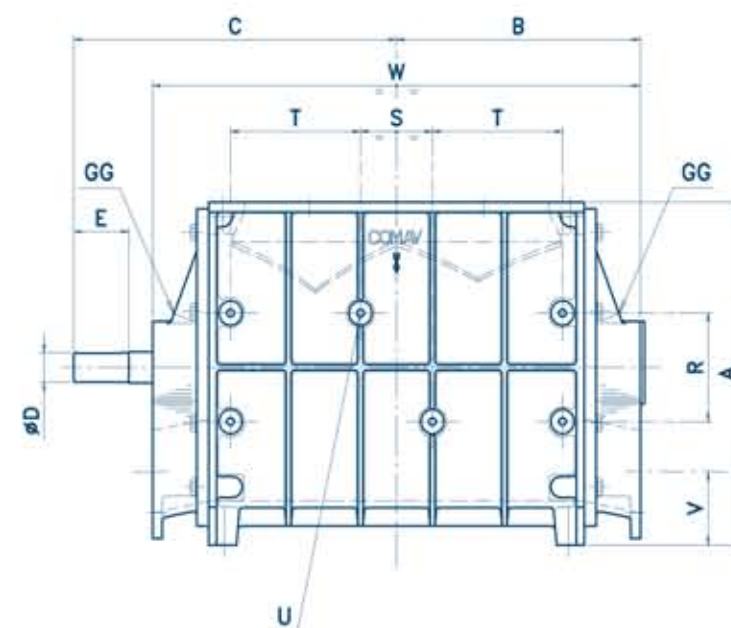
PRESSURE: -0,5 BAR, +2 BAR
MAX PRESSURE FOR HYDRAULIC MOTOR: 70 BAR
QUANTITY OF REQUEST OIL : 50 KG/MIN
(IN CASE OF HYDRAULIC MOTOR)
TEMPERATURE: MAX 65 °C
ROTATION SPEED: 42 RPM MAX
INTEGRATED CASTING
INNER HOPPER (BETTER FILLING EFFICIENCY)
OPEN ENDS ROTOR UP TO 10 VANES

OPTIONALS

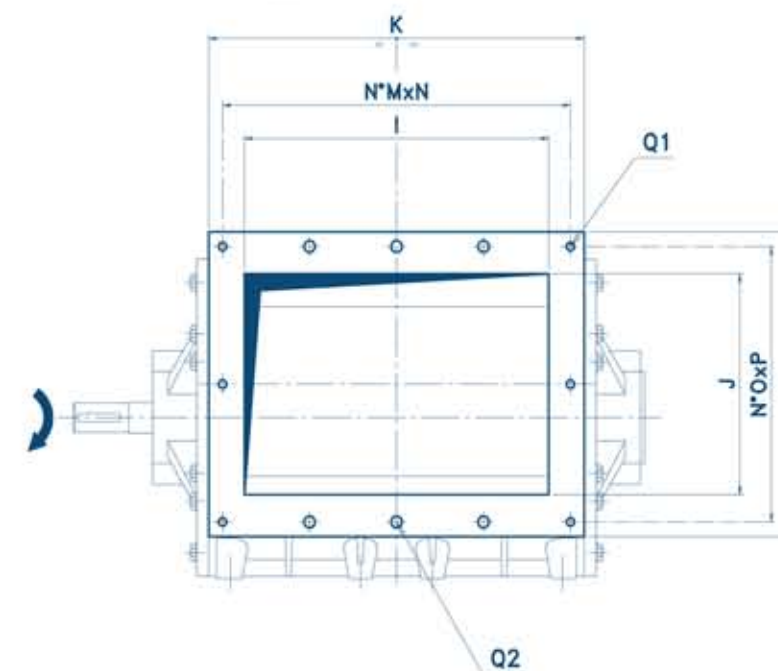
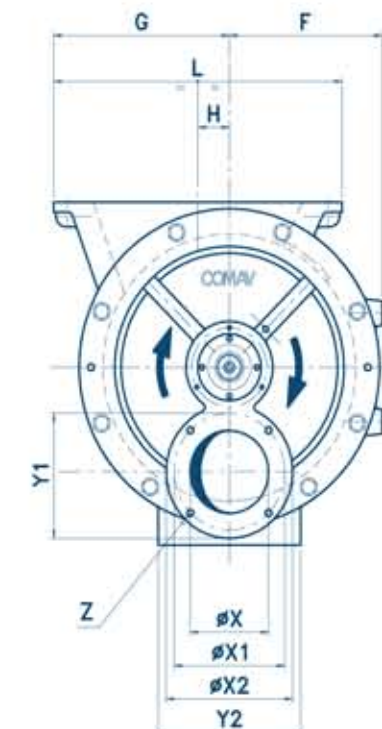
DIFFERENT ROTORS
FOR DIFFERENT PRODUCTS
NICKEL COATING
NICKEL COATING FOOD GRADE
HARD CHROMIUM PLATING
VARIOUS POLISHING DEGREES
FOOD GRADE GASKET
HIGH TEMPERATURE CONFIGURATION
FEEDING HOPPER
COMPLETE WITH FLAP VALVE
AIR BLOW-IN PURGE
AIR INTAKES HOLES ON HOUSING
SPEED DISPLAY
SPEED CONTROLLER



FRONTAL VIEW



SIDE VIEW



FLANGING VIEW

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q1	Q2
320	411	309	409	Ø35	70	193	222,5	40	385	265	475	365	4	110	2	165	M12 Ø14
R	S	T	U	V	W	X	X1	X2	Y1	Y2	Z	L/Rev.	WEIGHT	GG			
320	130	91	164,5	M10	88	617	Ø99	Ø140	Ø160	150	180	M10	29	Kg 170	1/8" GAS		

BROCHURE

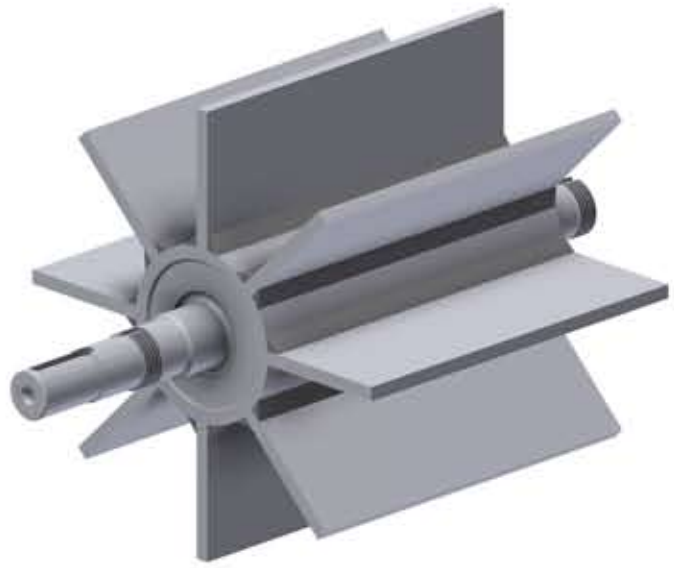


COMPLIANCE

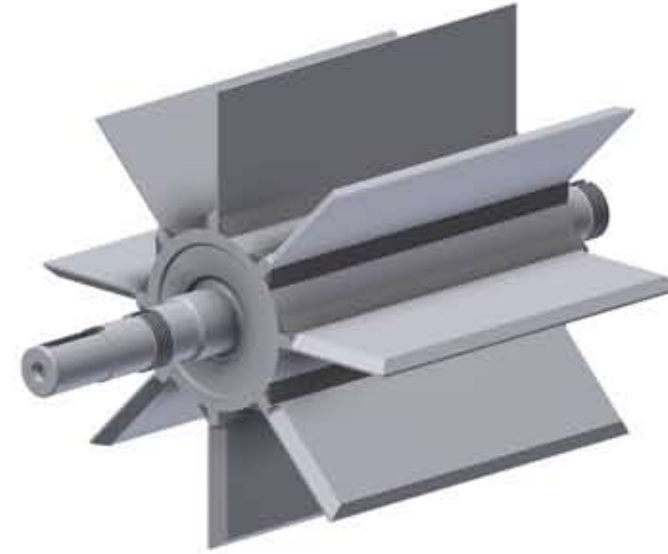


II 1/3DC T135° - II 2/3DC T135°

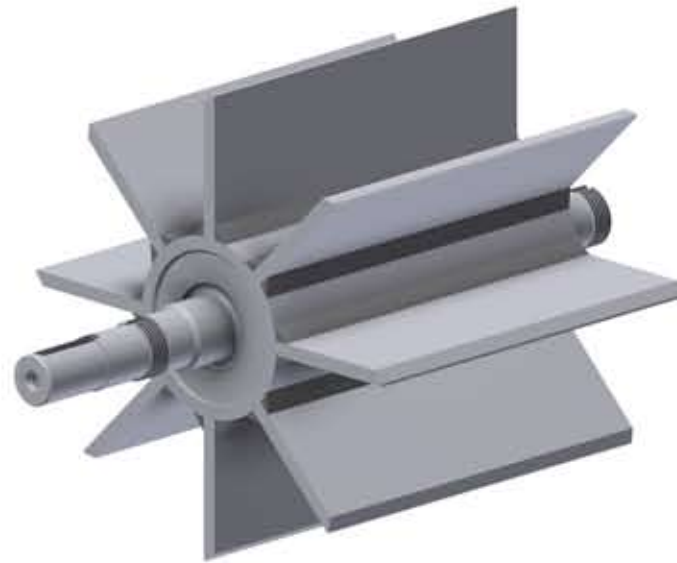
ROTORS



ROTOR A
STANDARD

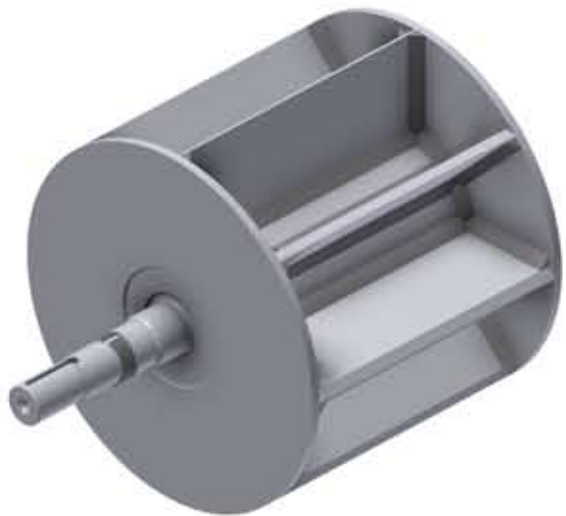


ROTOR C
TOTALLY BEVELLED



ROTOR B
UPPER BEVELLED ON HEAD

ROTOR D
THIN TIPS



CLOSED
ROTOR



ROTOR D
TOUGH TIPS

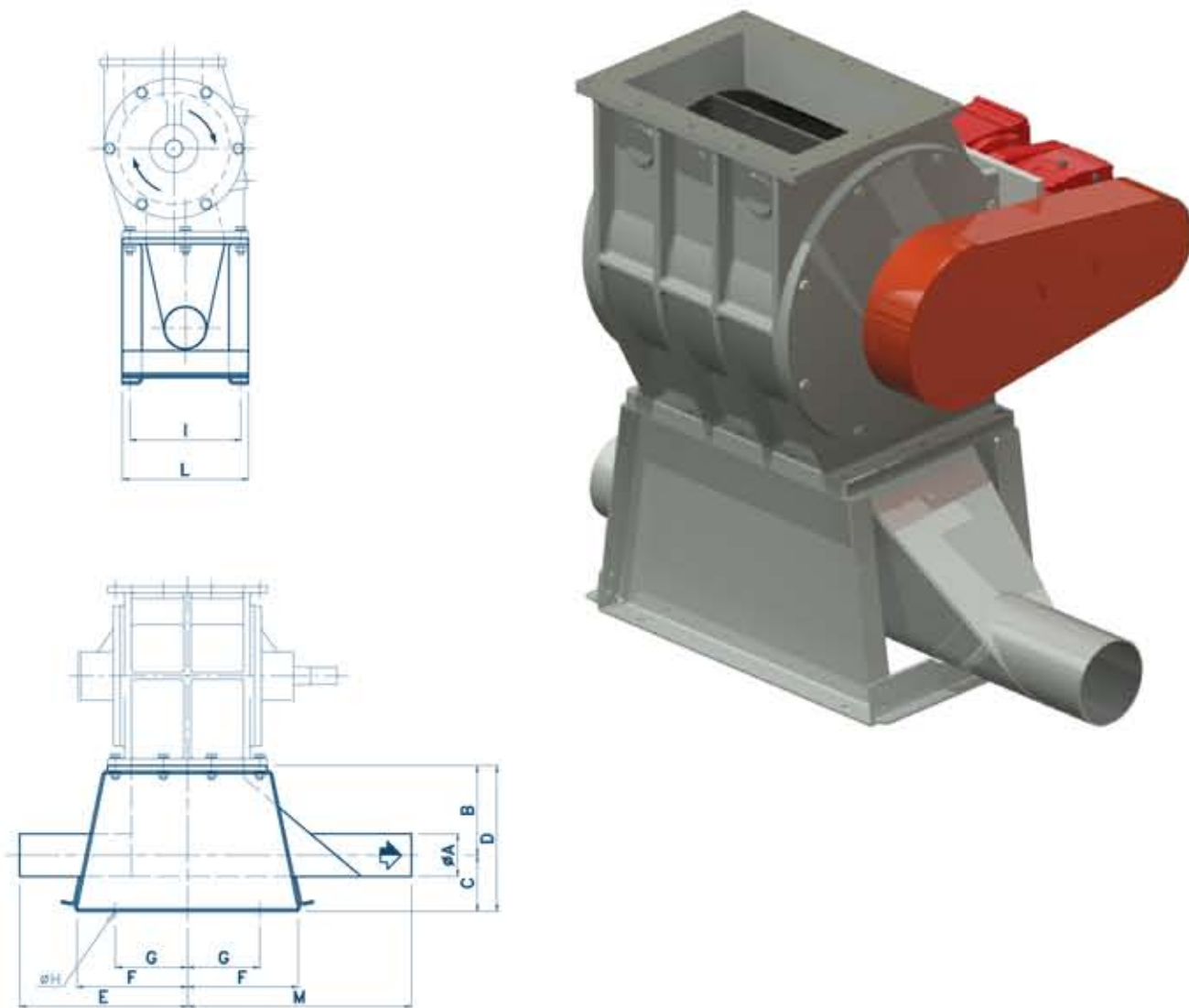
PARTIAL
ROTOR



ROTOR E
HARMONIC SS TIPS

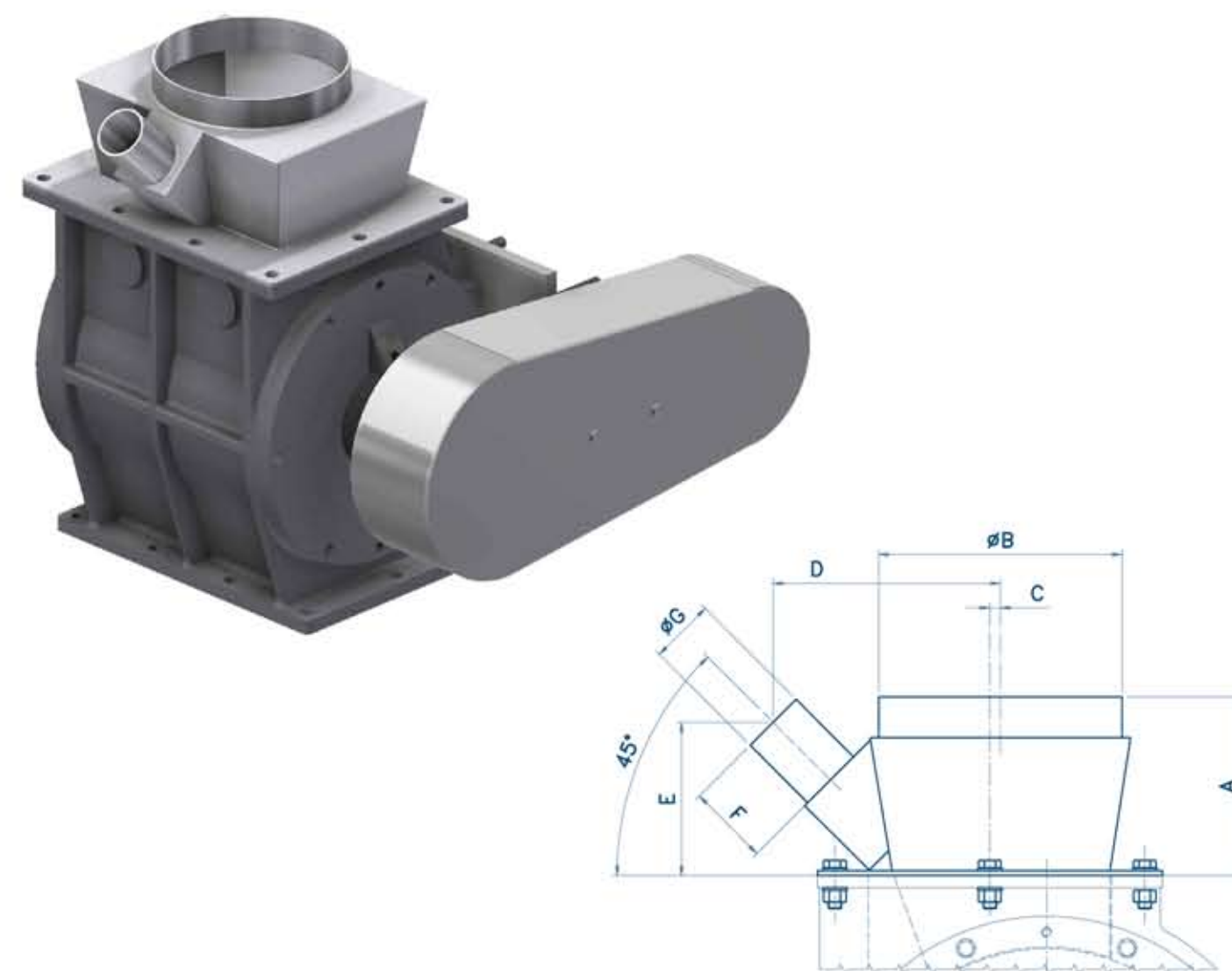


FEEDING SHOE



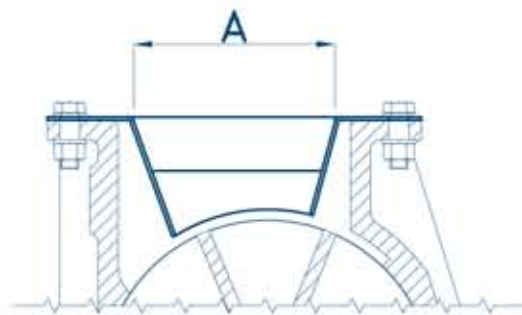
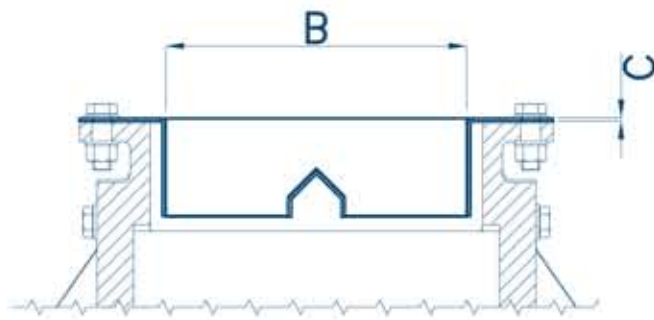
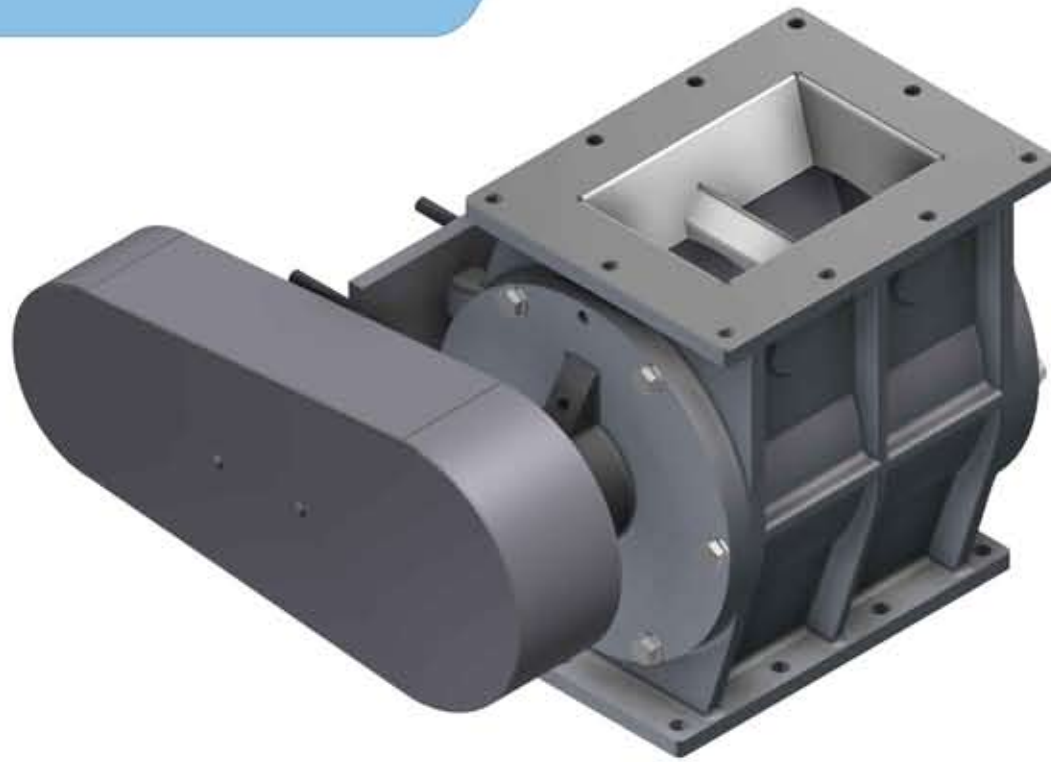
VSD	MIN	ØA	MAX	B	C	D	E	F	G	ØH	I	L	M
200	Ø60,3x2	Ø88,9x3	160	100	260	300	198	129	4xØ12	198	225	400	
250	Ø60,3x2	Ø101,6x3	160	100	260	370	223	152	4xØ12	234	265	430	
320	Ø88,9x2	Ø154,0x3	200	120	320	350	238	167	4xØ14	272	305	500	
400	Ø101,6x2	Ø154,0x3	250	125	375	425	293	220	4xØ14	330	365	625	
480	Ø154,0x3	Ø219,1x3	300	175	475	500	315	290	4xØ18	382	425	700	

FEEDING HOPPER



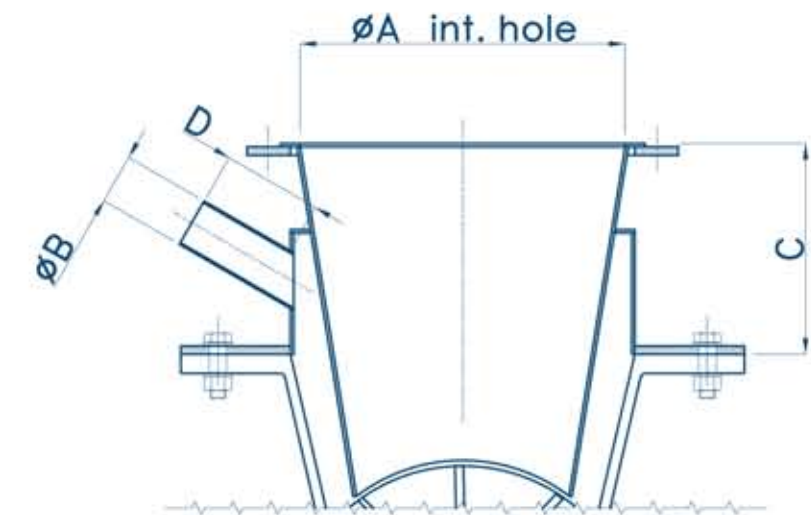
VS	A	ØB	C	D	E	F	ØG
200	200	Ø150	0	180	165	80	Ø60
200	200	Ø200	0	190	180	80	Ø60
250	200	Ø200	0	195	175	80	Ø60
320	200	Ø200	0	205	165	80	Ø60
320	200	Ø250	0	220	175	80	Ø60
400	220	Ø250	0	250	195	100	Ø80
400	220	Ø300	0	265	205	100	Ø80
480	220	Ø250	13	270	175	100	Ø80
480	220	Ø300	13	280	190	100	Ø80

DOSING HOPPER



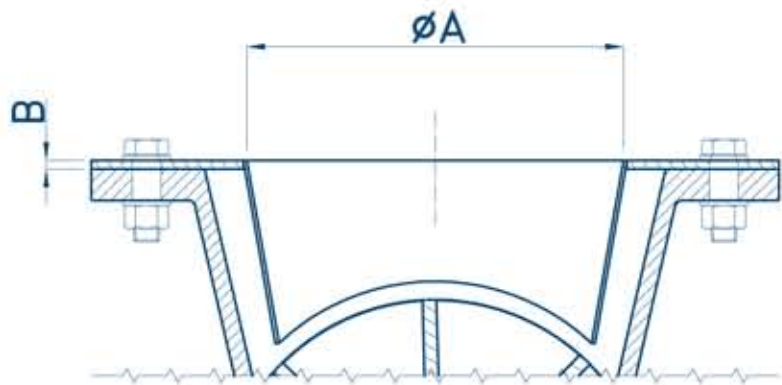
VS	A	B	C
200	125	185	2
250	145	215	2
320	185	245	2
400	245	355	2,5
480	285	430	2,5

FEEDING HOPPER



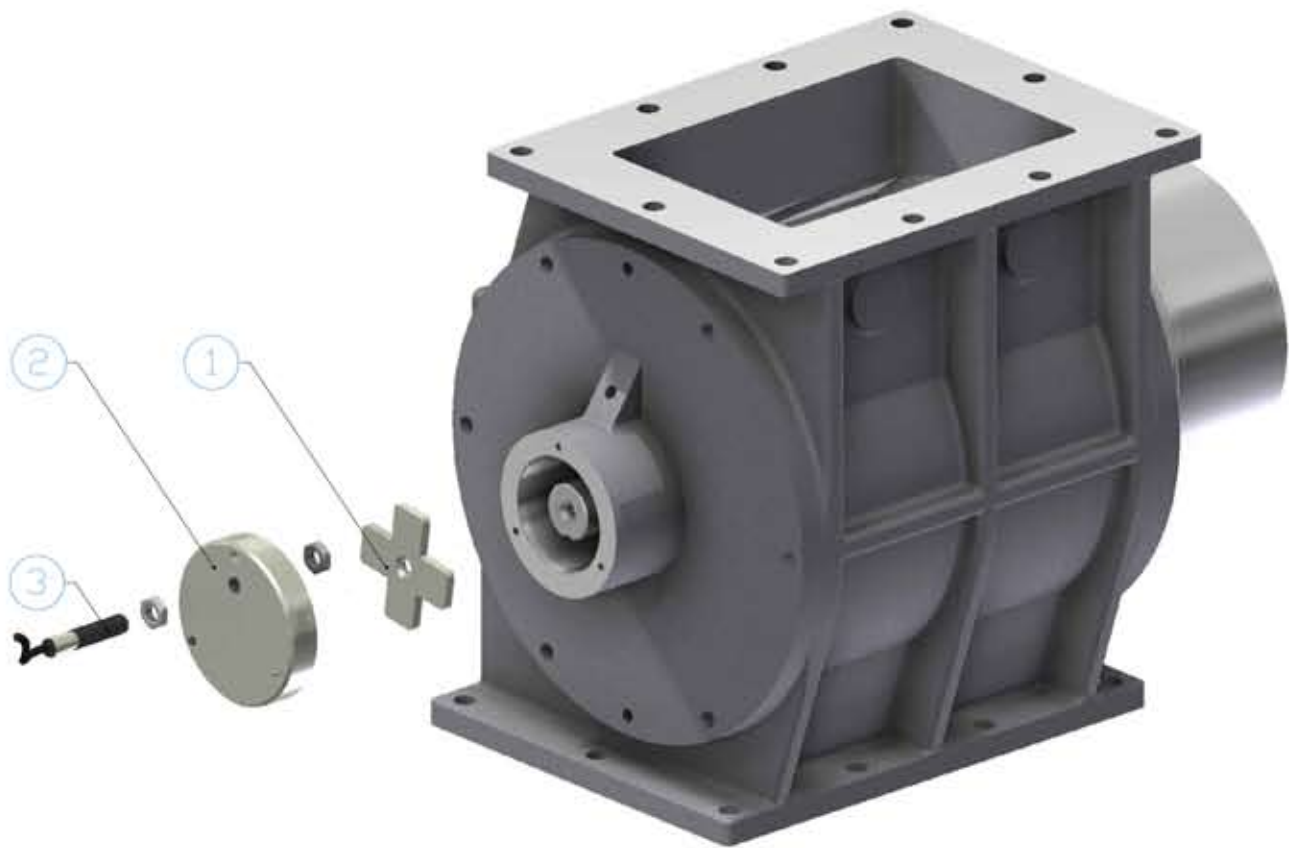
VST	A	B	C	D
200	ø200	ø33,7	170	60
250	ø200	ø40,0	170	60

DOSING HOPPER

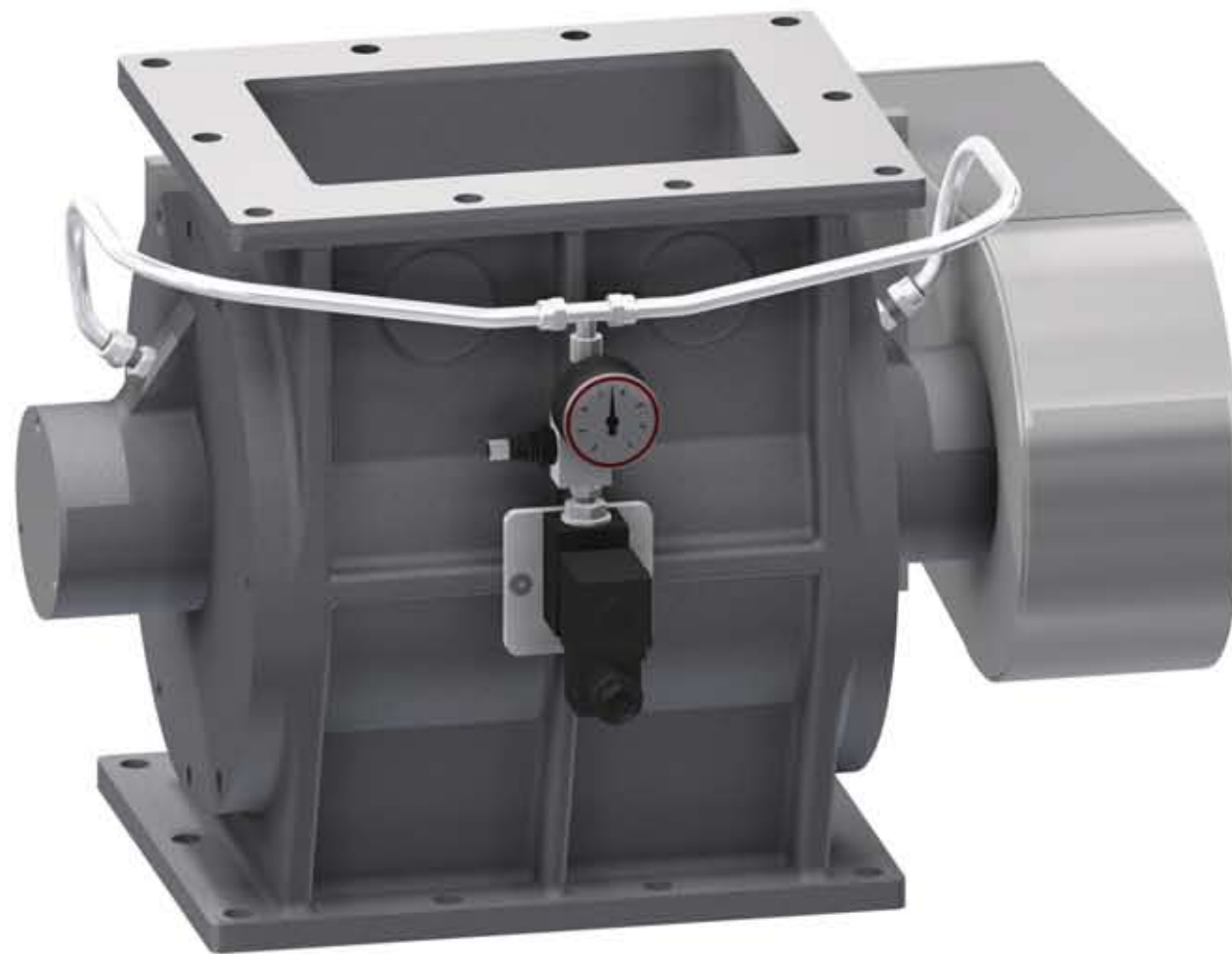


VSD	A	B
200	$\varnothing 197$	3
250	$\varnothing 262$	3

ROTATING SENSOR



POS	ITEM
1	SENSOR CAM
2	SENSOR COVER
3	SENSOR
AVAILABLE FOR ALL MODELS	



HIGH TEMPERATURE
WITH SPECIAL TOLERANCE
OR EXTERNAL BALL-BEARINGS
VERSION

DETACHABLE
AVAILABLE FOR
ALL MODELS



**VALVE MOUNTED
ON PLATFORM**



**VALVE
MOUNTED
ON TROLLEY**



VS	200	250	320	400	480
	1/8" GAS	1/8" GAS	1/8" GAS	1/4" GAS	1/4" GAS