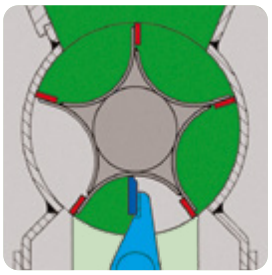
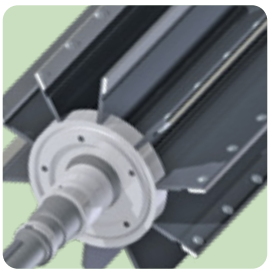
KÖLLEMANN

CONVEYING, PROCESS &
ENVIRONMENTAL TECHNOLOGY

THE NEXT-GEN ROTARY VALVE.





Modular
Versatile
Robust
Flexible
Affordable

THE NEXT-GEN ROTARY VALVE.

With the newly developed generation of **KÖLLEMANN** rotary valves, we combine robust, premium quality, maximum reliability and cost-effectiveness. The new series was designed from the ground up and sets new standards.

MAXIMUM FLEXIBILITY THROUGH MODULAR DESIGN

At the heart of the concept is a highly standardized base rotary valve that can be adapted to different requirements without complex modifications. Various drive concepts – from compact direct drives to classic drives with flexible couplings – enable an optimal design for your application.

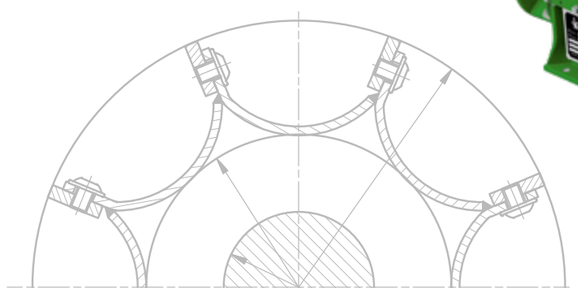
TAILORED SOLUTIONS FOR EVERY PROCESS

Tried-and-true equipment packages offer the right solution for a wide variety of applications:

- **STANDARD** – cost-effective design for powdery and free-flowing bulk materials
- **HIGH-TEMPERATURE** – for media temperatures up to 350 °C
- **WEAR-RESISTANT** – for abrasive products and long service life
- **SS-STANDARD** – stainless steel design for corrosive or hygienic applications
- **ATEX** – certified safety for hazardous areas

TECHNOLOGY THAT DELIVERS

All variants ensure uniform product conveying, reliable differential pressure isolation, and low maintenance requirements. Sophisticated sealing concepts minimize downtime and ensure efficient plant operation.



COST-EFFECTIVE. MODULAR. VERSATILE.

COST EFFECTIVE

Standardized and economical without compromising on quality.

MODULAR DESIGN

Flexible configuration to meet different requirements.

LOW MAINTENANCE

Easy accessibility through wide inspection opening for minimal maintenance effort.

VERSATILE APPLICATION

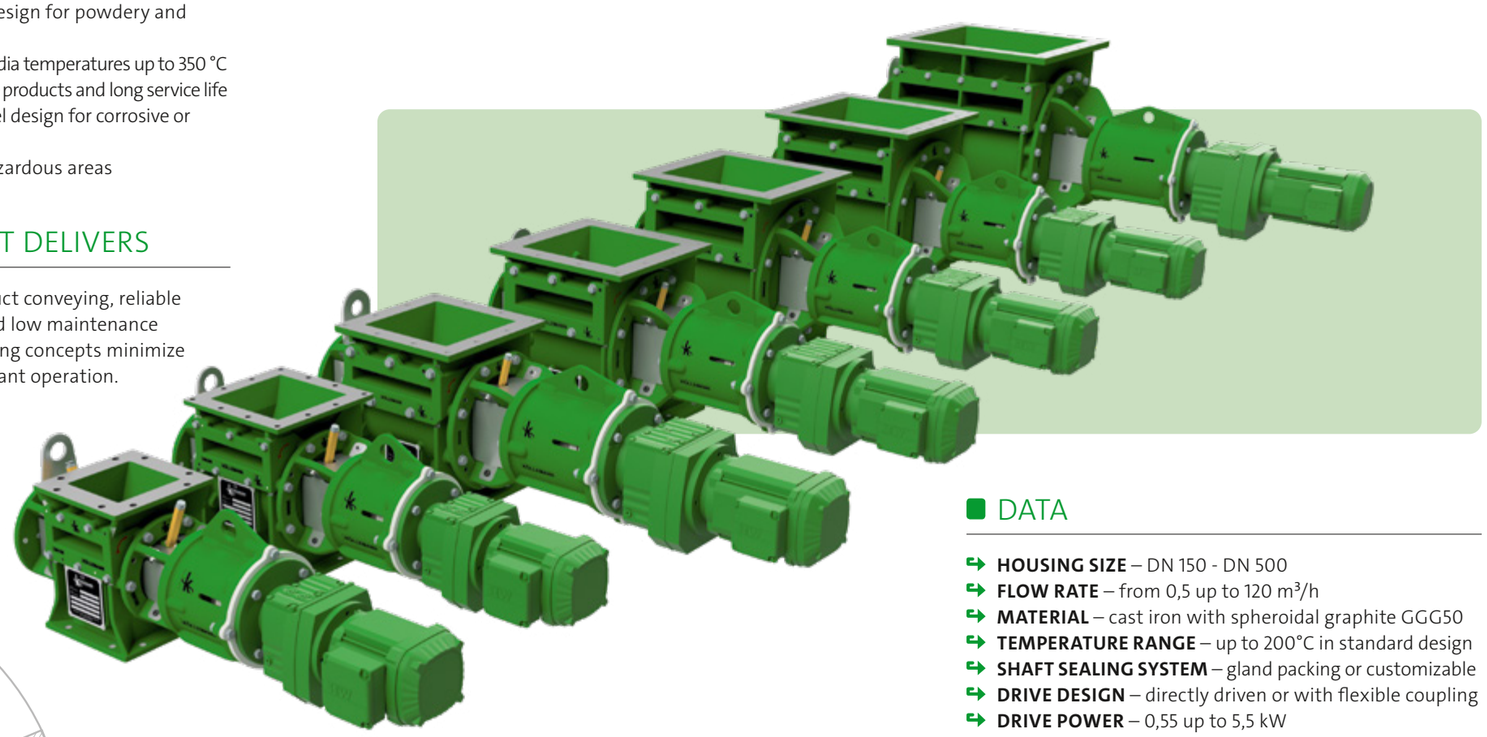
Suitable for a wide variety of bulk materials such as powders and granulates.

ROBUST CONSTRUCTION

Durable and reliable – even under demanding conditions.

QUICK AVAILABILITY

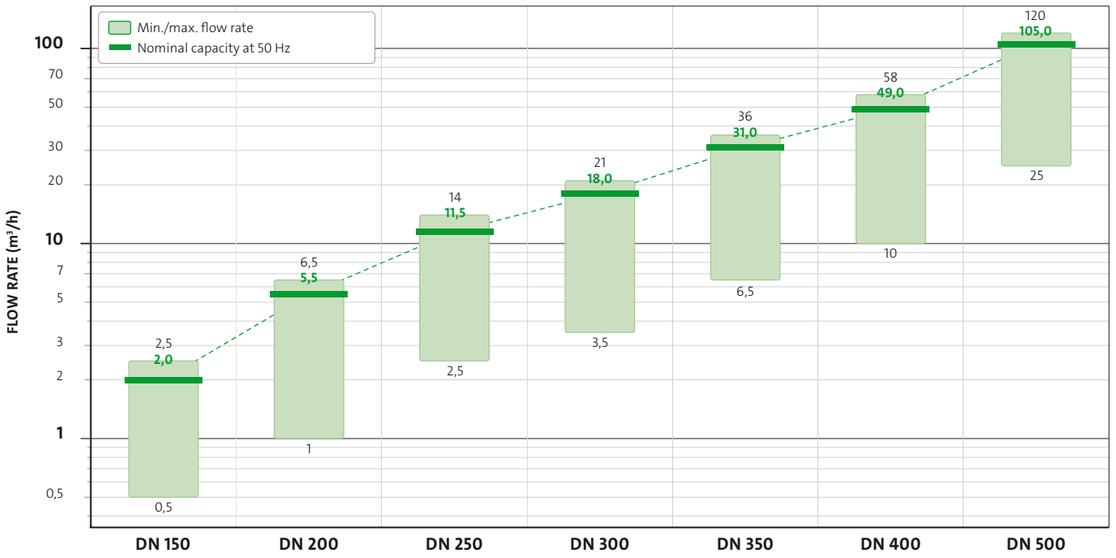
Usually available for prompt delivery thanks to optimized inventory management.



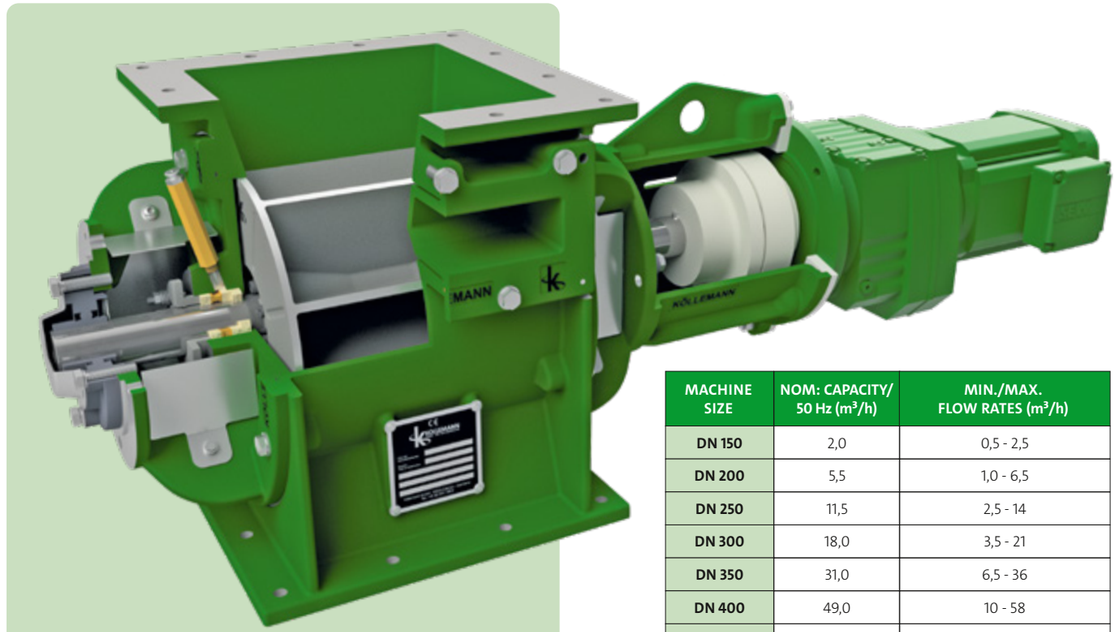
DATA

- **HOUSING SIZE** – DN 150 - DN 500
- **FLOW RATE** – from 0,5 up to 120 m³/h
- **MATERIAL** – cast iron with spheroidal graphite GGG50
- **TEMPERATURE RANGE** – up to 200°C in standard design
- **SHAFT SEALING SYSTEM** – gland packing or customizable
- **DRIVE DESIGN** – directly driven or with flexible coupling
- **DRIVE POWER** – 0,55 up to 5,5 kW

MACHINE SIZE SELECTION

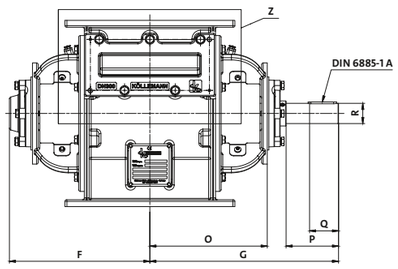


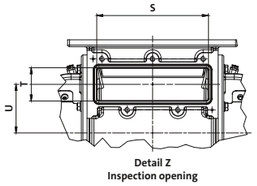
All values are approximate and depend on bulk material, filling level and installation.

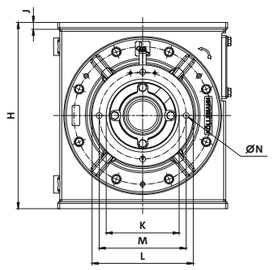


MACHINE SIZE	NOM: CAPACITY/ 50 Hz (m^3/h)	MIN./MAX. FLOW RATES (m^3/h)
DN 150	2,0	0,5 - 2,5
DN 200	5,5	1,0 - 6,5
DN 250	11,5	2,5 - 14
DN 300	18,0	3,5 - 21
DN 350	31,0	6,5 - 36
DN 400	49,0	10 - 58
DN 500	105,0	25 - 120

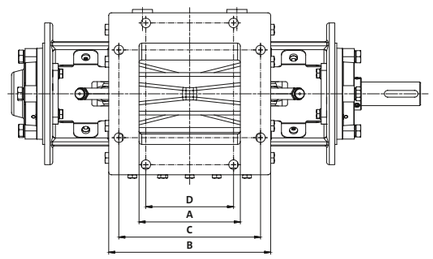
DIMENSION OF BASIC MACHINE (mm)



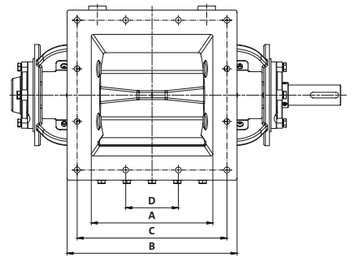




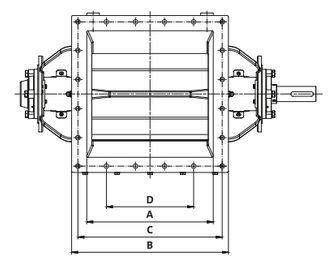
Connection Flange DN150



Connection Flange DN 200 - DN 350

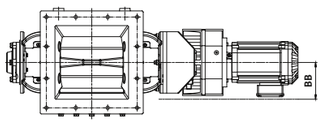


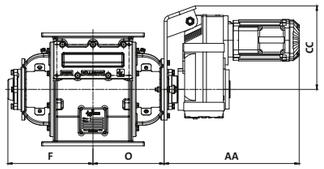
Connection flange DN 400 / DN 500

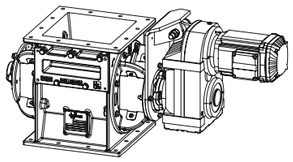


MACHINE SIZE	A	B	C	D	ØE	F	G	H	J	ØK (-0,2)	ØL	ØM	ØN	O	P	ØQ	R (H9)	V	W	X	WEIGHT APPROX. (kg)
DN 150	150	240	210	130	14 (8x)	264	342	300	12	150	210	175	11 (4x)	215	87	54	35	172	60	60	70
DN 200	200	280	250	80	12 (12x)	279	357	360	12	150	210	175	11 (4x)	230	87	54	35	204	60	90	85
DN 250	250	350	310	110	14 (12x)	347	466	460	17	180	250	215	14 (4x)	290	129	75	50	270	62	95	155
DN 300	300	420	370	130	14 (12x)	347	466	460	17	180	250	215	14 (4x)	290	129	75	50	276	82	120	190
DN 350	350	470	140	140	14 (12x)	372	491	540	17	180	250	215	14 (4x)	315	129	75	50	326	92	145	240
DN 400	400	520	470	3x94 (=282)	18 (20x)	402	521	610	17	180	250	215	14 (4x)	345	129	75	50	386	92	165	290
DN 500	500	620	570	3x115 (=345)	18 (20x)	521	656	750	25	230	300	265	14 (4x)	440	155	100	60	516	92	195	480

DIMENSION OF DIRECT DRIVE MODULE (DXX)

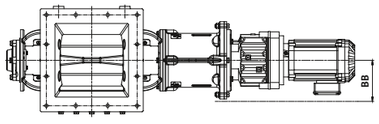


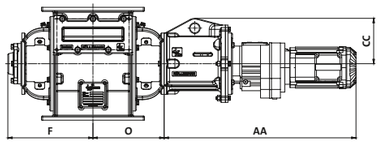


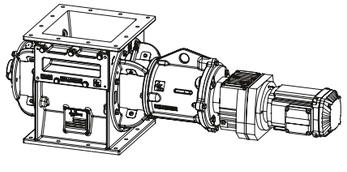


MACHINE SIZE	SIZE CLASS	DRIVE POWER	MANUFACT.	AA APPROX. (mm)	BB APPROX. (mm)	CC APPROX. (mm)	WEIGHT APPROX. (kg)
DN 150 DN 200	A	0,55 kW	SEW	430	135	220	40
			Innomotics	480	130	245	50
	B	0,75 kW	SEW	475	145	220	45
			Innomotics	515	130	245	45
	C	1,1 kW	SEW	475	155	200	50
			Innomotics	535	135	245	50
DN 250 DN 300 DN 350 DN 400	A	1,5 kW	SEW	560	145	350	95
			Innomotics	615	140	355	105
	B	2,2 kW	SEW	605	165	350	105
			Innomotics	665	175	355	120
	C	3 kW	SEW	605	165	350	110
			Innomotics	665	175	355	120
DN 500	A	3 kW	SEW	650	170	425	165
			Innomotics	705	175	435	170
	B	4 kW	SEW	680	180	425	170
			Innomotics	700	185	435	170
	C	5,5 kW	SEW	730	180	425	185
			Innomotics	780	210	435	200

DIMENSION OF FLEXIBLE COUPLING MODULE (CXX)

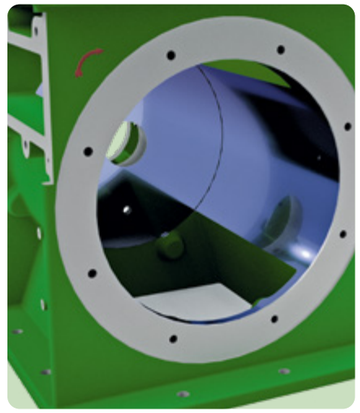


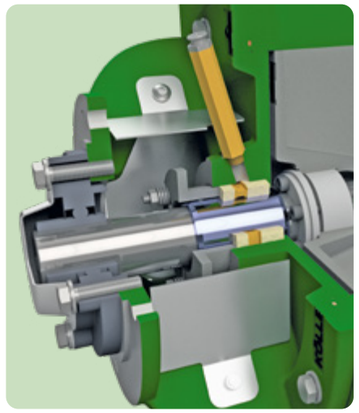


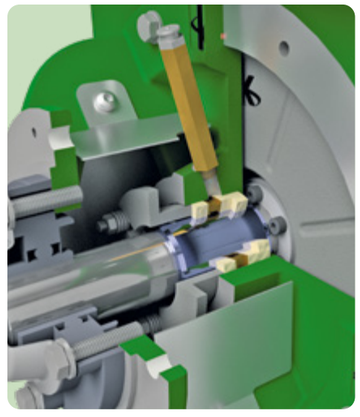


MACHINE SIZE	SIZE CLASS	DRIVE POWER	MANUFACT.	AA APPROX. (mm)	BB APPROX. (mm)	CC APPROX. (mm)	WEIGHT APPROX. (kg)
DN 150 DN 200	A	0,55 kW	SEW	600	135	175	55
			Innomotics	655	135	175	60
	B	0,75 kW	SEW	650	135	175	55
			Innomotics	690	135	175	60
	C	1,1 kW	SEW	650	145	175	65
			Innomotics	710	135	175	60
DN 250 DN 300 DN 350 DN 400	A	1,5 kW	SEW	790	165	190	100
			Innomotics	855	165	190	95
	B	2,2 kW	SEW	835	165	190	110
			Innomotics	900	175	190	110
	C	3 kW	SEW	835	165	190	115
			Innomotics	900	175	190	110
DN 500	A	3 kW	SEW	945	190	215	150
			Innomotics	1000	190	215	150
	B	4 kW	SEW	975	190	215	160
			Innomotics	995	190	215	150
	C	5,5 kW	SEW	1025	190	215	170
			Innomotics	1075	210	215	185

OPTIONS.







HIGH TEMPERATURE

Resistant up to 350 °C

STAINLESS STEEL

SS 304 casting material

WEAR PROTECTION

Chemical, internal surfaces

MOTOR OPTIONS

Power, gearbox type

PURGE GAS/SEALING GAS

Ready for connection

ROTATION MONITORING

Via proximity switch

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