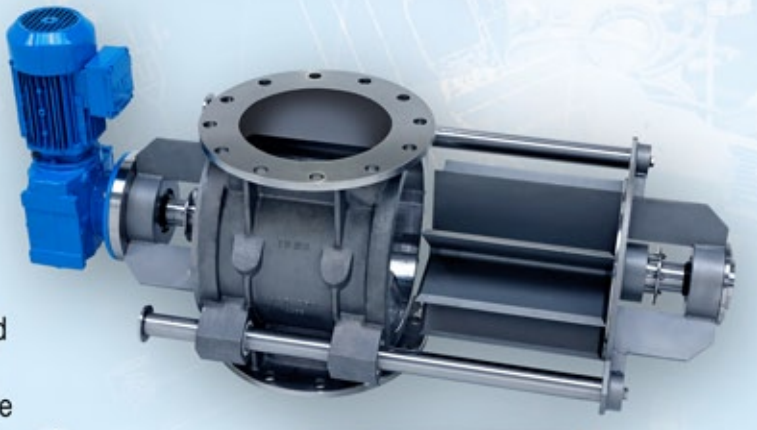
Rotary Valves

Efficient cleaning with TBMA "Quick Clean" rotary valves!

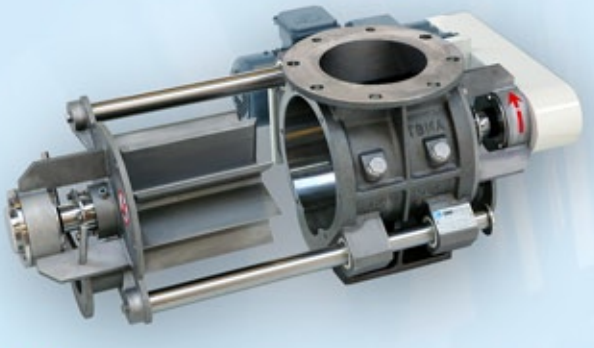
Application:
TBMA "Quick Clean" rotary valves are specially designed for those applications where frequent cleaning and inspection of the valve is required. Easy and safe operation, ergonomic design and reliability are important issues when dealing with a work flow that requires quick access to the valve internals on a regular basis. The "Quick Clean" valves have been added with a couple of remarkable and unique construction features that stand out in comparison to other quick demountable valves on the market.
These features are:



Easy access and cleaning
By using an unique double bearing construction, the rotor can be easily and safely taken out of its housing and turned manually. This makes it simple to access and clean (wet) the rotor at all sides. The guide bars of the support track are long enough to give the operator full access to the valve internals for inspection and cleaning.

Quickly up and running
The bearing construction guarantees a free running clearance of the rotor and prevents damage to the valve internals during (de)mounting of the rotor. The "Quick Clean" valves are executed with a spline shaft. This means that after cleaning the rotor can be mounted at 6 or 8 different positions. The rotor settings are fixed and do not need any adjustment after assembly.

Reliable operation
Due to the clearance free mounting and fixed settings of the rotor it is almost impossible for the rotor to rub against the valve housing. It therefore greatly reduces the change on damaging the valve. This makes the "Quick Clean" valve a reliable component suitable for any industrial production environment.



Solid basis
The TBMA "Quick Clean" valves are based on the high-duty valve range type H-AR and H-GR. These valves with proven reliability in practice over many years, are basically suitable for almost any application you can think of. The H-GR valve range offers a compact solution for direct dosing of powdered and granulated materials into pneumatic conveying systems. The H-AR range can be easily adjusted to any connection flange by using a blow-through- or venturi adaptor. Both valve types have a exceptional high filling efficiency and capacity created by an very effective inlet shape.

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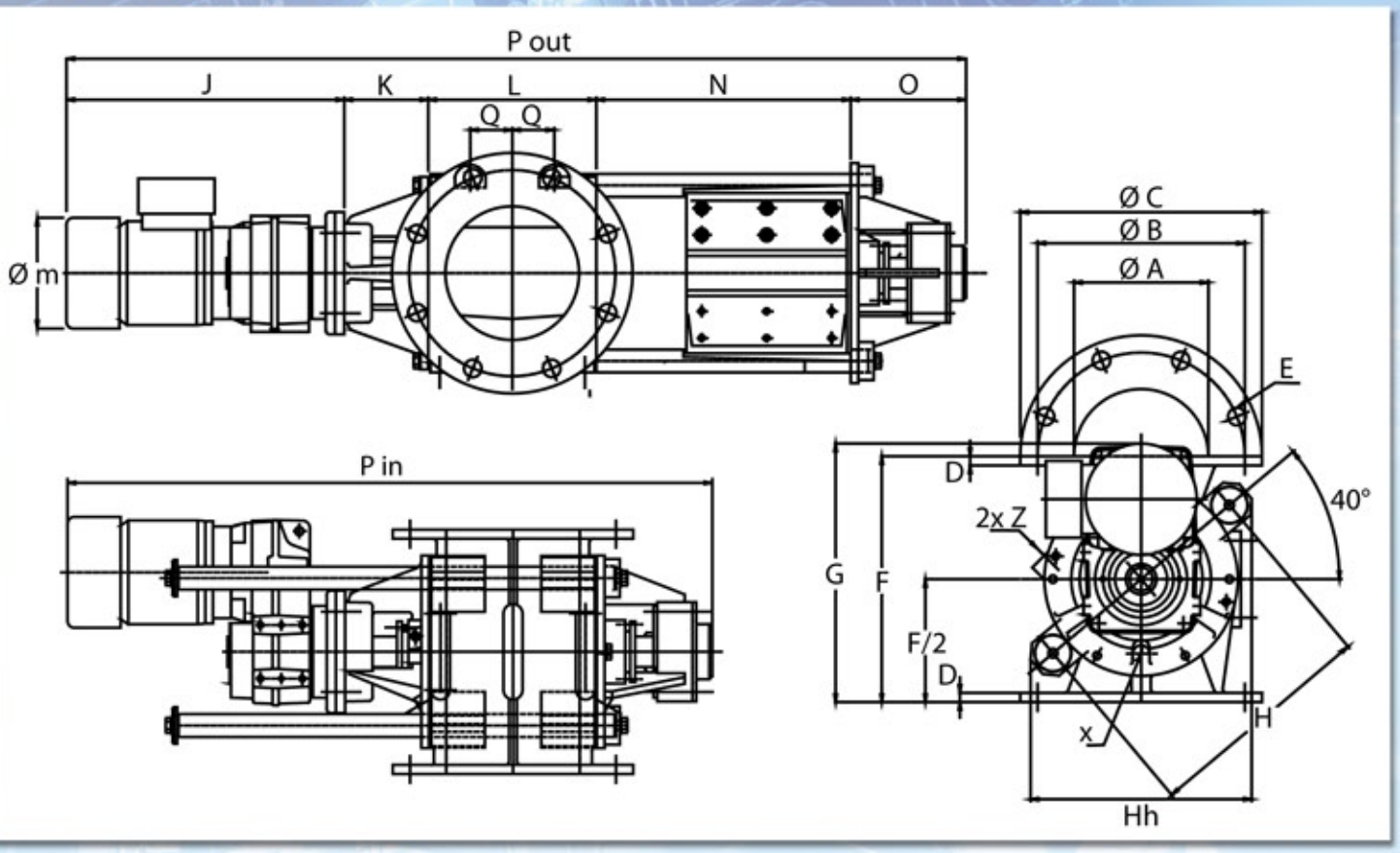
Rotary Valves

Dimensions Type H-ARDG



Type H-ARDG	A	B	C	D	E	F	G	H	Hh	J	K	L	m
175	175	270	315	12	8x Ø23	320	337	300	288	364	110	220	145
200	200	295	340	12	8x Ø23	370	429	375	360	458	120	270	165
250	250	350	395	15	12x Ø23	430	462	435	406	458	120	320	165
300	300	400	445	16	12x Ø23	520	507	520	514	416	132	396	145

Type H-ARDG	N	O	Q	P in	P out	Q	X*	Y*	Z*	Ltr/rev	kW	Nm	kg
175	333	151	55	845	1178	55	1/8"	¼"	½"	5,5	0.37	152	96
200	405	186	65	1034	1439	65	1/8"	¼"	¾"	10,5	0.55	397	197
250	455	186	75	1084	1539	75	1/8"	¼"	¾"	19,0	0.55	397	247
300	522	202	95	1146	1668	95	1/8"	¼"	1"	34,0	0.55	480	364

Protection/Insulation class: **IP 55 / ISO F**
Electrical supply: **230/400V-50Hz**
Standard flange drilling: **PN 10** (Alternative drilling patterns on request)

***Note X:** Standard not drilled
***Note Y:** Standard plugged
***Note Z:** Standard not drilled

Note: All dimensions are approximate in mm and subject to change!

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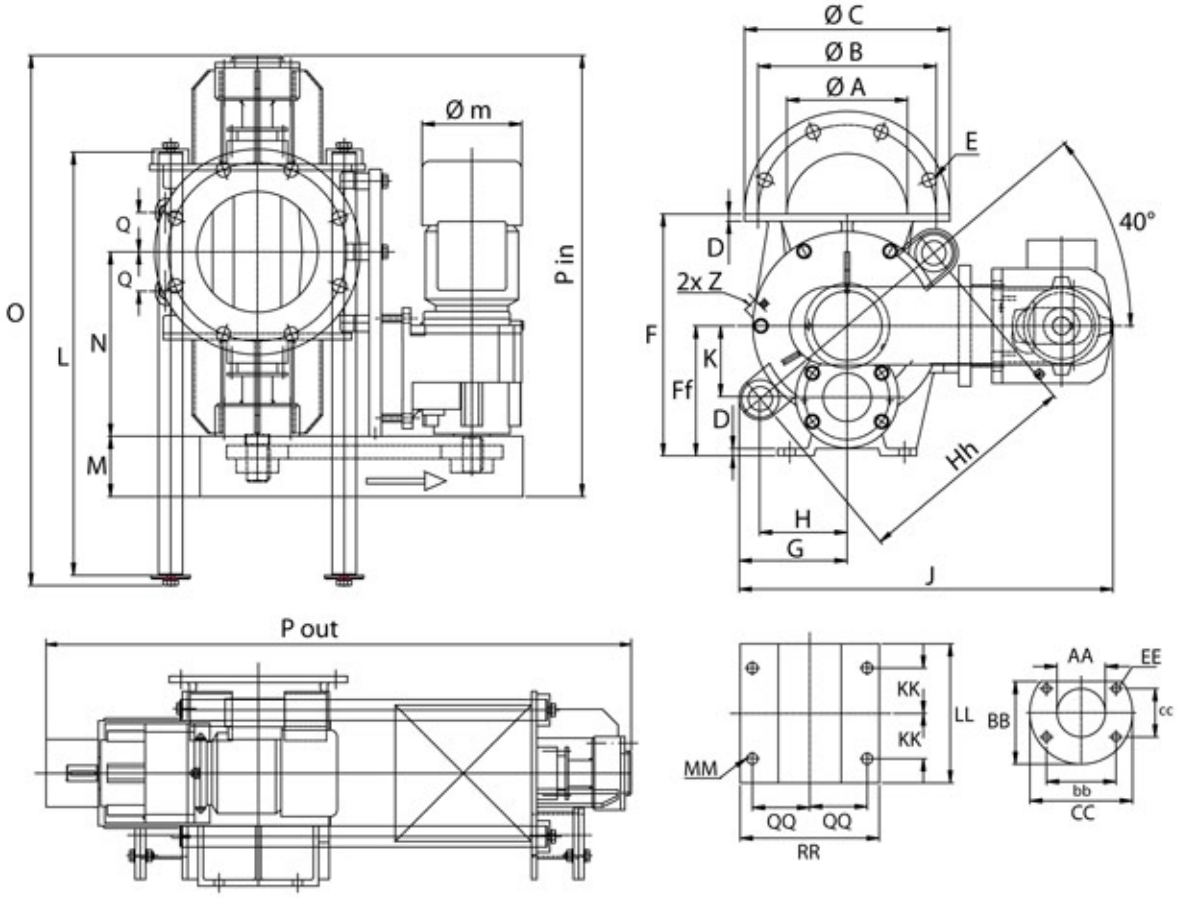
Dimensions Type H-GRDG



Type H-GRDG	A	B	C	D	E	F	FF	G	H	HH	J	K	L	M	m	N	O	Q	P in P out
175	175	270	315	12	8x Ø23	335	175	144	115	300		96	575	100	145			55	
200	200	295	340	12	8x Ø23	400	215	180	145	375	620	121	700	100	165	305	877	65	
250	250	350	395	14	12x Ø23	465	250	203	167	435		140	800	100	165			75	730/1116
300	300	400	445	16	12x Ø23	555	295	257	200	520	812	167		100	185			95	

Type H-GRDG	Ltr / rev	kW	Nm	AA	BB	bb	CC	cc	EE	KK	LL	MM	QQ	RR	Y*	Z*	kg
175	5,5	0.37	131	65	104	60	150	118	4x Ø12	65	190	4x Ø12	85	200	¼"	½"	
200	10,5	0.55	286	80	115	80	170	137	4x Ø14	75	230	4x Ø18	95	230	¼"	¾"	
250	19,0	0.75	286	100	139	98	200	163	4x Ø14	100	274	4x Ø18	120	275	¼"	¾"	
300	34,0	1,5	478	125	164	115	230	189,5	4x Ø14	135	350	4x Ø22	125	320	¼"	1"	

Protection/Insulation class: **IP 55 / ISO F** - Electrical supply: **230/400V-50Hz**
Standard flange drilling: **PN 10** (Alternative drilling patterns on request)

*Note Y : Standard plugged
*Note Z : Standard drilled/plugged

Note: All dimensions are approximate in mm and subject to change!

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