

TECHNICAL DATA SHEET

Motorized Exhaust Damper

MED-HP

PRODUCT LINE

MED-HPØ – Motorized Exhaust Damper for High Pressure

APPLICATIONS

- Motorized exhaust damper for gas and oil heating appliances with dry or wet exhaust conditions
- Also intended for gas fireplaces and soil fuel fires
- Bypass damper for CHP or economizers
- Draft control for all appliances, forced draft or condensing (Not for use as on/off damper for Category II & IV Appliances)



PURPOSE

- The damper rod is externally turned by an actuator
- The rod is connected to a damper blade that rotates to restrict exhaust flow

CLASSIFICATIONS

Temperature class:	T400	≤ 400°C (752°F)
Pressure class:	H1	5000 Pa (20" WC)
Condensate durability:	W	dry/wet

MATERIALS / CONSTRUCTION

- All stainless steel construction
- 0.08" thick 316L stainless-steel housing
- 0.08" thick 316L stainless-steel blade and stiffener
- 0.08" thick 316L stainless-steel blade stop (no seal, metal to metal)
- 0.87" thick Ø shaft with 0.63" square actuator connection
- Mounting plate is a perfect match for Belimo GMX120-3 Actuator (not included)
- Two (2) gas-tight (up to 5000 Pa/20" WC) graphite packing gaskets

CONNECTION / INSTALLATION DETAILS

- Connection System: 1.5" wide flange¹
- Can be positioned horizontally or vertically however, the shaft must remain horizontal

¹Standard System – Any connection means are possible. I.E., KL, 0.5" rolled flange, etc.

FEATURES

- All stainless-steel construction
- Heavy duty design



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PRODUCT SPECIFICATIONS

MED-HPØ Dimensions - Motorized Exhaust Damper for High Pressure

		6"	7"	8"	9"	10"	11"	12"	13"	14"	16"
Nominal Pipe (inch)	ØA	6	7	8	9	10	11	12	13	14	16
Flange O.D. (inch)	ØB	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	19.0
Total Length (inch)	C	10.0	10.0	10.0	10.0	10.0	12.0	12.0	12.0	12.0	18.0
Rod Location (inch)	D	3.1	3.1	3.1	3.1	3.1	5.1	5.1	5.1	5.1	9.0
Bolt Hole Circle (inch)	ØE	7.5	8.5	9.5	10.5	11.5	12.5	13.5	14.5	15.5	17.5
Rod Diameter (inch)	ØF	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Number of Bolt Holes	N	8	8	12	12	12	12	12	12	12	16
Total Weight (Lbs.)		19.0	20.7	22.5	24.5	26.2	29.8	32.2	34.4	36.8	48.7

		18"	20"	22"	24"	26"	28"	30"	32"	34"	36"
Nominal Pipe (inch)	ØA	18	20	22	24	26	28	30	32	34	36
Flange O.D. (inch)	ØB	21.0	23.0	25.0	27.0	29.0	31.0	33.0	35.0	37.0	39.0
Total Length (inch)	C	18.0	18.0	24.0	24.0	24.0	28.0	28.0	28.0	28.0	28.0
Rod Location (inch)	D	9.0	9.0	12.0	12.0	12.0	14.0	14.0	14.0	14.0	14.0
Bolt Hole Circle (inch)	ØE	19.5	21.5	23.5	25.5	27.5	29.5	31.5	33.5	35.5	37.5
Rod Diameter (inch)	ØF	0.87	0.87	0.87	0.87	1.18	1.18	1.18	1.18	1.18	1.18
Number of Bolt Holes	N	16	20	20	20	20	24	24	32	36	36
Total Weight (Lbs.)		54.2	61.1	76.9	87.3	99.6	116.2	125.9	135.4	145.1	158.7

