

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 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

Construction

- All stainless steel construction.
- 0.08" thick (14 gage) ASTM 316L stainless steel housing.
- 0.08" thick (14 gage) ASTM 316L stainless steel blade and stiffener.
- 0.08" thick (14 gage) ASTM 316L 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.

Positioning: horizontally or vertically - shaft must remain horizontal.

¹Standard System (any connecting means are possible, examples: 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

