

High Temperature Industrial Butterfly Damper

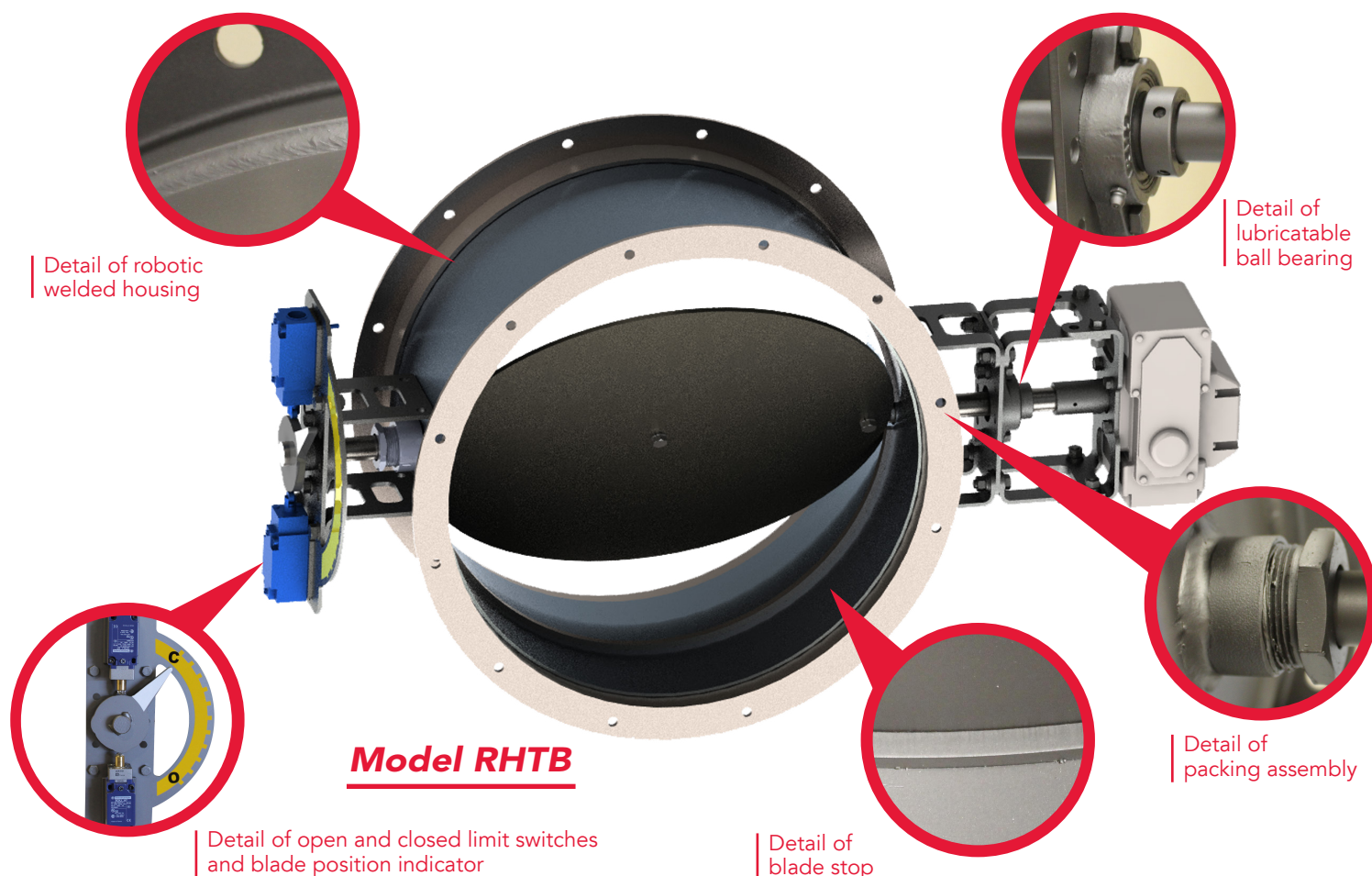
The Difference is in the Details

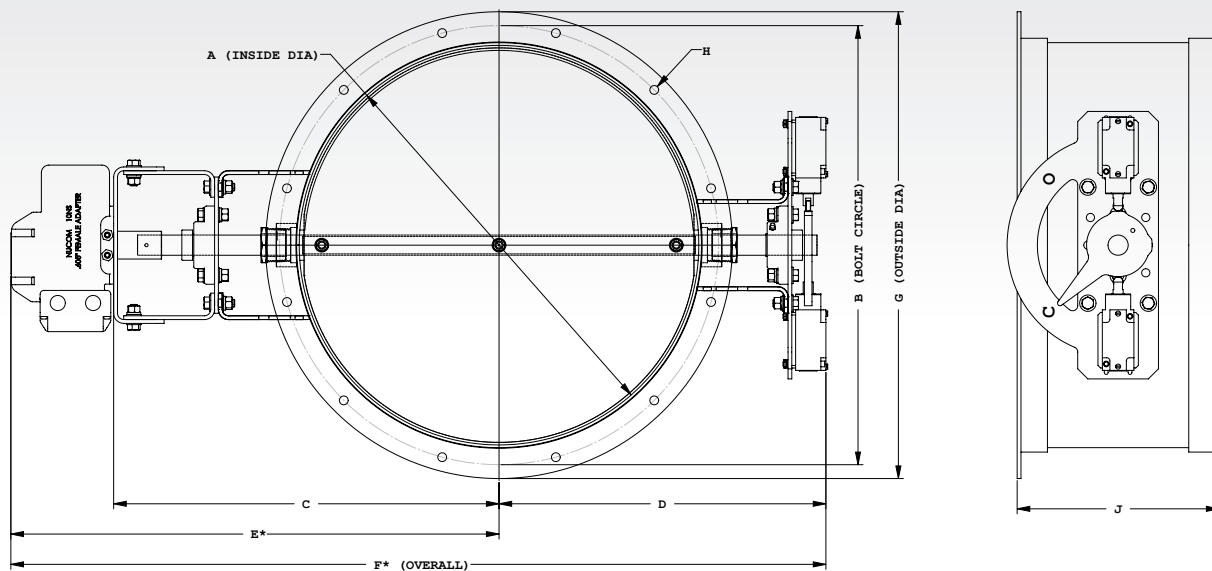
Faber RHTB dampers are designed to provide years of trouble free service while controlling the flow of high temperature flue gas in industrial oil and gas fired combustion systems. They are used primarily in flue gas recirculation ducts of oil and gas fired ultra low NOx burners, but can also be used to control boiler draft or high temperature combustion air.

The RHTB damper has standard features specific to combustion industry safety codes such as:

- Open and closed limit switch mounting brackets
- Switch actuating cams
- Large easy to read damper blade position indicator and scale

The RHTB damper is a round single blade design with a step seat to minimize leakage when closed. The standard RHTB damper has a maximum gas stream temperature limit of 500°F. The XT high temperature option extends the maximum gas stream temperature limit up to 800°F. RHTB dampers can either be furnished with our standard pneumatic or electric modulating actuators, or any customer furnished actuator. RHTB dampers are available from 6 to 36 inch duct sizes.





SIZE (UNITS)	A (IN)	B (IN)	C (IN)	D (IN)	E (IN)	F (IN)	G (IN)	H (IN)	J (IN)	WEIGHT (LBS)	ACTUATOR TORQUE (IN-LB)
6	5 3/4	7 5/16	11 7/8	8 9/16	17	25 9/16	8 1/8	6 HOLES @ 3/8 DIA	9	41	26
8	7 13/16	9 9/16	13 3/16	9 7/8	18 1/4	28 1/8	10 5/8	6 HOLES @ 3/8 DIA	9	44	46
10	9 13/16	11 13/16	13 5/16	11	18 7/16	29 3/8	13 1/8	6 HOLES @ 7/16 DIA	10	47	72
12	11 13/16	14	14 5/8	12	19 11/16	31 3/4	15 1/8	8 HOLES @ 7/16 DIA	10	51	104
14	13 13/16	16	15 13/16	13 1/8	20 7/8	34	17 1/8	8 HOLES @ 7/16 DIA	10	57	141
16	15 13/16	18	16 15/16	14 1/8	22	36 3/16	19 1/8	8 HOLES @ 7/16 DIA	10	68	184
18	17 13/16	20	18	15 3/16	23 1/8	38 5/16	21 1/8	8 HOLES @ 7/16 DIA	10	77	233
20	19 13/16	21 3/4	19 1/8	16 3/16	24 3/16	40 3/8	23 1/8	12 HOLES @ 7/16 DIA	10	85	288
22	21 13/16	23 3/4	20 3/16	17 1/4	25 1/4	42 1/2	25 1/8	12 HOLES @ 7/16 DIA	10	94	348

- * DIMENSIONS SHOWN WITH NUCOM 10NS ACTUATOR
- ADD 1.00" TO DIMENSIONS C, E & F FOR (XT) OPTION
- WEIGHT LISTED WITHOUT ACTUATOR OR LIMIT SWITCHES

- ACTUATOR TORQUE IS BASED ON 24 INWC DROP ACROSS THE DAMPER
- DO NOT USE DIMENSIONS FOR CONSTRUCTION

Specifications | Materials of Construction:

Housing:	10 Ga. A1018 Carbon Steel
Disc:	3/16" 304 Stainless Steel
Shaft	1" 1018 Carbon Steel Rod, 1" 304 Stainless Steel for XT Option
Bearings	Lubricatable ball bearing mechanically fastened to stand-off bracket with stuffing box and packing gland welded to sleeve.
Stop	3/8" x 1/4" carbon steel bar stop, welded to inside of frame.
Shaft Packing	Kevlar
Operator Options	<ul style="list-style-type: none"> Nucom - 10 NS, 120vac/1ph/60hz powered electric actuator with 4-20ma input & feedback signals RCI 240DA Pneumatic Actuator with Simens 6DR5220-OEN31-0AA0 Positioner and I/R P39223-600 Filter Regular Assembly, using 100 PSIG clean dry air with 4-20ma input & feedback signals Customer supplied
Limit Switches	Up to two Telemecanique XCKJ167H7 limit switches, each with 1 N.C. & 1 N.O. Form C Snap Action Contacts

Process Fluid Limits:

Maximum Temperature:	500°F Standard 800°F XT Option
Maximum Pressure:	24 inwc
Finish:	High temperature stainless steel paint

* Mating flanges to fit either duct or standard pipe are available. When ordering, specify damper size, actuator type, limit switch quantity, if the XT option is required, and quantity and type (duct or pipe) of mating flanges.

FABER
Burner Company

Represented by