



# USA/Canada

## Part list for the Jøtul F 400 woodstove

Consult your dealer for part numbers and replacement parts.

No.	Description
1	Ashlip Packed
2	Handle Ash Door Compl.
3	Latch
4	Spring for Latch
5	Nut Hex.
6	Screw
7	Gasket L=1020
8	Wooden Knob Ash House
9	Screw Hex.
10	Side Right
11	Washer
12	Screw Hex Cap Flange Frame
13	SD Front
14	Gasket top plate, L=1840
15	Screw Hex. Cap Flange Frame
16	Ash Door
17	Top Plate
18	Nut Hex. Cap Flange
19	Gasket Upper Back Plate, L=835
20	Back Plate Upper Compl.
21	Gasket , L=930
22	Screw Hex. Selftr.
23	Smoke Outlet Compl.
24	Screw Machine Oval Poz Blackcr.
25	Rivet Gesipa
26	Back Plate Lower Compl.
28	Side Left
29	Leg
30	Screw Hex. Cap Flange Frame
31	Screw Hex.
32	Bottom Upper
33	Gasket for Burn Plate , L=180
33	Gasket , L=180
34	Burn Plate Right Compl.
35	Secondary Air Chamber
36	Gasket , L=1200
37	Gasket , L=820
38	Air Deflector
39	Secondary Air Chamber Compl.
40	Baffle Plate II
41	Screw Hex.
42	Heat Shield Underneath, EU
43	Inspection Cover EU
44	Burnplate Back
45	Brick Refractory
46	Fire Grate
47	Burn Plate Left Compl.
48	Screw Hex. Cap Flange Frame
49	Screw Hex. Cap Flange Frame
50	Bottom Lower
51	Screw Hex. Cap Flange Frame
52	Hinge Bolt for Ash Door
53	Ash Pan
54	Ash House Compl.
55	Sliding Vent
56	Air Divider
57	Rivet
58	Sleeve
59	Handle Air Setting
61	Single Door Compl w/o Glass
62	Glass Clip
63	Gasket for Glass
64	Gasket for Door
65	Screw Panh.
66	SD Glass
67	Latch Bolt
68	Washer
69	Spring Pin
70	Washer
71	Latch
72	Latch Compl. w\Wooden Knob
73	Wooden Knob
74	Gasket Ash House
75	Adapter Outside Air
77	Fire Screen

## 9.0 Appendix A

### Alternate floor protection

All floor protection materials must be non-combustible (ie. metal, brick, stone, mineral fiber boards). Any combustible material may not be used.

The easiest means of determining if a proposed alternate floor material meets requirements listed in this manual is to follow this procedure.

R-value = thermal resistance

k-value = thermal conductivity

C-value = thermal conductance

- Convert the specification to R-value;
  - If R-value is given, no conversion is needed.
  - If k-value is given with a required thickness (T) in inches:  $R=1/k \times T$ .
  - If C-value is given:  $R=1/C$ .
- Determine the R-value of the proposed alternate floor protector.
  - Use the formula in Step 1 to convert values not expressed as "R".
  - For multiple layers, add R-values of each layer to determine overall R-value.
- If the overall R-value of the system is greater than the R-value of the specified floor protector, the alternate is acceptable.

#### Example:

The specified floor protector should be 3/4" thick material with a k-factor of 0.84. The proposed alternate is 4" brick with a C-factor of 1.25 over 1/8" mineral board with a k-factor of 0.29.

**Step A.** Use formula above to convert specifications to R-value.

$$R=1/k \times T= 1/.84 \times .75 = .893$$

**Step B.** Calculate R of proposed system.

- 4" brick of C-1.25, therefore
- R brick =  $1/C = 1/1.25 = 0.80$ .
- 1/8" mineral board of k = 0.29 therefore
- R mineral board =  $1/.29 \times 0.125 = 0.431$

Total R = R brick + R mineral board=

$$0.8 + 0.431=1.231$$

**Step C.** Compare proposed system R = 1.231 to specified R of 0.893.

Since R is greater than required, the system is acceptable.

#### Definitions:

Thermal conductance =

$$C = \frac{\text{Btu}}{(\text{hr})(\text{ft}^2)(\text{F})} = \frac{\text{W}}{(\text{m}^2)(\text{K})}$$

Thermal conductivity =

$$k = \frac{\text{Btu}}{(\text{hr})(\text{ft}^2)(\text{F})} = \frac{\text{W}}{(\text{m}^2)(\text{K})} = \frac{(\text{Btu})}{(\text{hr})(\text{ft})(\text{F})}$$

Thermal resistance=

$$R = \frac{\text{Btu}}{(\text{hr})(\text{ft}^2)(\text{F})} = \frac{(\text{m}^2)(\text{K})}{\text{W}} = \frac{(\text{Btu})(\text{inch})}{(\text{hr})(\text{ft}^2)(\text{F})}$$