Symmetric • Aire Mattress REF SYM3000 Series

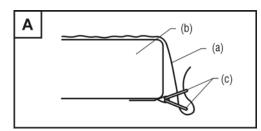
Service Document



INSTRUCTIONS FOR USE:

- Place Symmetric Aire Mattress on bed frame with foot end markings at proper end of bed.
- Apply linens, utilizing "D" rings for flat sheet. To secure linens (a) to Symmetric • Aire Mattress (b), thread four corners through D-rings (c) attached to mattress as shown in A. To ensure proper therapy, do not pull linens taut. Linens should remain loose and wrinkly on surface of mattress.
- 3. Position patient.

CAUTION: Check patient's skin regularly. Consult physician if any redness or skin break occurs. Serious injury could result if the patient's skin condition is left untreated.



Symmetric Aire Theory of Operation

Refer to Symmetric Aire Pneumatic diagram (Fig. 1) for the following explanation:

The **foam filled air cells** are pneumatically separated into 3 sections including the Head, Seat and Foot. They form the therapeutic support area of the mattress.

The **air reservoir** at the foot end of the mattress contains a pneumatic **sequence valve** that regulates the head and seat air cell pressure to less than 21 mmHg.

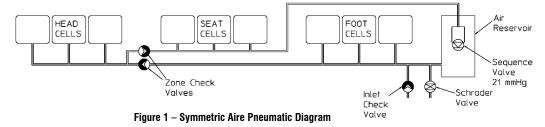
When a patient is placed on the mattress, air is displaced out of the **foam filled air cells** through tubing and the **zone check valves** to the **sequence valve**. If the pressure to the **sequence valve** is greater than 21 mmHg, the valve will open allowing the air into the **air reservoir**. When the patient is removed from the mattress, the foam in each of the **foam filled air cells** expand and draws the air back out of the **air reservoir**. In general, the reservoir is only pressurized / filled when there is a patient on the mattress and should be depressurized / flat when the patient is removed.

The **zone check valves** separate the 3 zones of the mattress and direct the flow of air through the system in a specific route through plastic tubing. The direction of flow is from the <u>light</u> colored side of the valve toward the <u>dark</u> colored side (white to black).

The **schrader valve** has a pin with a tag attached installed during manufacturing. This pin holds the **schrader valve** open so the system cannot pressurize to allow for folding, packaging and atmospheric pressure changes during shipment to the customer. Before patient use, the pin MUST be removed thereby closing the system for proper operation / pressurization.

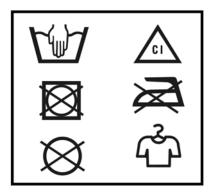
If the pin is not removed from the **Schrader valve**, the mattress will NOT be able to pressurize /support the patient properly and can cause premature failure of the **foam filled air cells**. The Schrader valve is NOT intended to inflate the mattress. The mattress automatically inflates itself through expansion of the **foam filled air cells**. DO NOT inflate the mattress by any other means.

The **inlet check valve** automatically allows air into the system as needed to keep the system properly inflated.



Care Instructions :

- Manually clean surface with warm water and a mild detergent and a sponge or cloth removing all visible soiling or spills.
- 2. Thoroughly rinse with clean water for 30 seconds.
- 3. Air dry or wipe clean with a clean cloth.
- Apply a disinfectant such as 10% chlorinated bleach solution (chlorinated bleach with 5.25% sodium hypochlorite).
- 5. Allow to air dry. Solution contact time is what makes disinfection effective.
- Wipe off excess disinfectant with a clean dry cloth.
 Solutions containing alcohol ARE NOT recommended.



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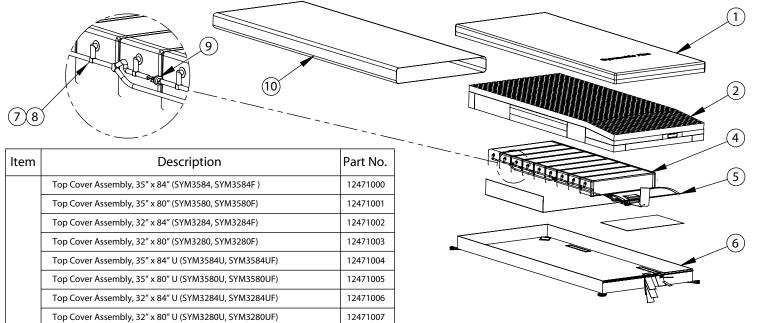
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em	Description	Part No.
	Top Cover Assembly, 35" x 84" (SYM3584, SYM3584F)	12471000
	Top Cover Assembly, 35" x 80" (SYM3580, SYM3580F)	12471001
Ī	Top Cover Assembly, 32" x 84" (SYM3284, SYM3284F)	12471002
	Top Cover Assembly, 32" x 80" (SYM3280, SYM3280F)	12471003
	Top Cover Assembly, 35" x 84" U (SYM3584U, SYM3584UF)	12471004
Ī	Top Cover Assembly, 35" x 80" U (SYM3580U, SYM3580UF)	12471005
İ	Top Cover Assembly, 32" x 84" U (SYM3284U, SYM3284UF)	12471006
Ì	Top Cover Assembly, 32" x 80" U (SYM3280U, SYM3280UF)	12471007
İ	Top Cover Assembly, 35" x 76" (SYM3576, SYM3576F)	12471008
İ	Top Cover Assembly, 32" x 76" (SYM3276, SYM3276F)	12471009
Ì	Top Cover Assembly, 35" x 76" U (SYM3576U, SYM3576UF)	12471010
f	Top Cover Assembly, 32" x 76" U (SYM3276U, SYM3276UF)	12471011
f	Top Cover Assembly, 35" x 76" (SYM3576G, SYM3576GF)	12471012
	Top Cover Assembly, 35" x 76" U (SYM3576UG, SYM3576UGF)	12471013
ŀ	Top Cover Assembly, 35" x 80" (SYM3580G, SYM3580GF)	12471014
ŀ	Top Cover Assembly, 35" x 80" U (SYM3580UG, SYM3580UGF)	12471015
ł	Top Cover Assembly, 35" x 84" (SYM3584G, SYM3584GF)	12471016
ł	Top Cover Assembly, 35" x 84" U (SYM3584UG, SYM3584UGF)	12471017
	Top Cover Assembly, 35" x 84" S (SYM3584S, SYM3584SF)	12471018
	Top Cover Assembly, 35" x 80" S (SYM3580S, SYM3580SF)	12471019
ŀ	Top Cover Assembly, 32" x 84" S (SYM3284S, SYM3284SF)	12471020
ŀ	Top Cover Assembly, 32" x 80" S (SYM3280S, SYM3280SF)	12471021
ŀ	Top Cover Assembly, 35" x 76" S (SYM3576S, SYM3576SF)	12471022
ŀ	Top Cover Assembly, 32" x 76" S (SYM3276S, SYM3276SF)	12471023
	Top Cover Assembly, 35" x 76" S (SYM3576SG)	12471024
Ì	Top Cover Assembly, 35" x 80" S (SYM3580SG, SYM3580SGF)	12471025
}	Top Cover Assembly, 35" x 84" S (SYM3584SG, SYM3584SGF)	12471026
	Foam Crib Assembly, Sym Aire, 35" x 84" (SYM3584, SYM3584U, SYM3584F, SYM3584G, SYM3584UG, SYM3584GF, SYM3584UGF)	12470000
	Foam Crib Assembly, Sym Aire, 35" x 80" (SYM3580, SYM3580U, SYM3580F, SYM3580UF, SYM3580G, SYM3580UG, SYM3580GF, SYM3580UGF)	12470001
	Foam Crib Assembly, Sym Aire, 32" x 84" (SYM3284, SYM3284U, SYM3580F, SYM3580UF)	12470002
2	Foam Crib Assembly, Sym Aire, 32" x 80" (SYM3280, SYM3280U, SYM3280F, SYM3280UF)	12470003
	Foam Crib Assembly, Sym Aire, 35" x 76" (SYM3576, SYM3576U, SYM3576F, SYM3576UF, SYM3576G, SYM3576UG, SYM3576GF, SYM3576UGF)	12470004
•	Foam Crib Assembly, Sym Aire, 32" x 76" (SYM3276, SYM3276U, SYM3576F, SYM3576UF)	12470005

Item	Description	Part No.
4	Foam Cell, PU/PVC, 26B, (Single Cell)	100072008
	Foam Cell Assembly (9 Cells)	12451000
5	Bladder Assembly	12423000
	Bottom Cover Assembly, 35" x 84" (SYM3584)	12472000
	Bottom Cover Assembly, 35" x 80" (SYM3580)	12472001
	Bottom Cover Assembly, 32" x 84" (SYM3284)	12472002
	Bottom Cover Assembly, 32" x 80" (SYM3280)	12472003
	Bottom Cover Assembly, 35" x 76" (SYM3576)	12472004
	Bottom Cover Assembly, 32" x 76" (SYM3276)	12472005
	Bottom Cover Assembly, 35" x 84" F (SYM3584F)	12472006
	Bottom Cover Assembly, 35" x 80" F (SYM3580F, SYM3580UF)	12472007
6	Bottom Cover Assembly, 32" x 84" F (SYM3284F, SYM3284UF)	12472008
	Bottom Cover Assembly, 32" x 80" F (SYM3280F, SYM3280UF)	12472009
	Bottom Cover Assembly, 35" x 76" F (SYM3576F, SYM3576UF)	12472010
	Bottom Cover Assembly, 32" x 76" F (SYM3276F, SYM3276UF)	12472011
	Bottom Cover Assembly, 35" x 76" (SYM3576G)	12472012
	Bottom Cover Assembly, 35" x 80" (SYM3580G, SYM3580UG)	12472013
	Bottom Cover Assembly, 35" x 84" (SYM3584G, SYM3584UG)	12472014
	Bottom Cover Assembly, 35" x 76" F (SYM3576GF)	12472015
	Bottom Cover Assembly, 35" x 80" F (SYM3580GF, SYM3580UGF)	12472016
	Bottom Cover Assembly, 35" x 84" F (SYM3584GF, SYM3584UGF)	12472017
7	Elbow 90 Deg -1/4 in Tube	91627000
8	Connector TEE -1/4"ID Tubing	91628000
9	Check Valve (1/4"ID Tubing)	90382001
10	Fire Barrier Kevlar Fabric 100" LG.	78230001