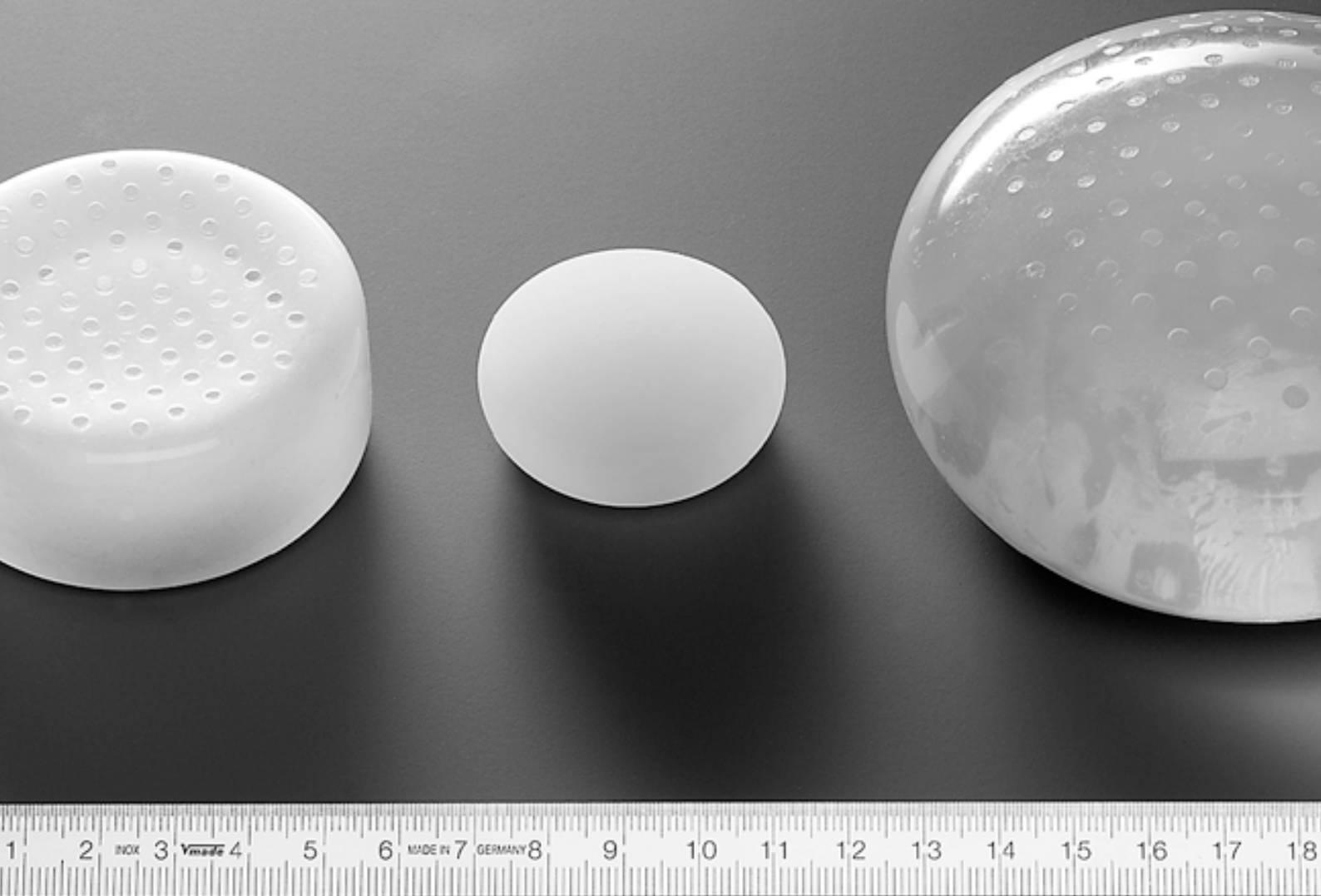


## Tissue Expander Round

Hydrogel implant for gaining soft tissue



## | Introduction: Self-inflation by osmotic principle

osmed self-inflating tissue expanders are made of a specially developed hydrogel that uses the osmotic principle to gain volume.

Before expansion, osmed hydrogel expanders are small and hard and are easy to handle. After implantation, osmed hydrogel expanders absorb body fluid and grow consistently to their predefined form and size. The expanders are sheathed with a perforated silicone shell for controlled slow influx of body fluid and slow continuous swelling. The increasing volume of the expander stimulates growth of soft tissue.

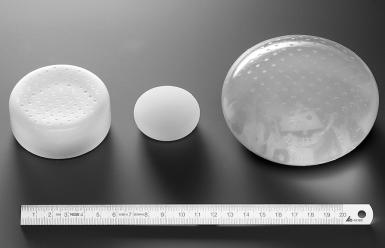
General advantages of osmed tissue expanders are: safe material, low complication rate, low risk of infection, small incision, minimal trauma and short surgical time; controlled swelling without pressure peaks. A short surgical time reduces post-operative pain and saves costs.

## | Indications for use

- ↷ Alopecia
- ↷ Delayed breast reconstruction
- ↷ Congenital breast deformities, e.g. Poland's syndrome, anisomasty, tubular breast deformities
- ↷ In exceptional cases immediate breast reconstruction, if optimal skin and muscle conditions after skin sparing mastectomy are available and a postoperative radiation therapy can be excluded

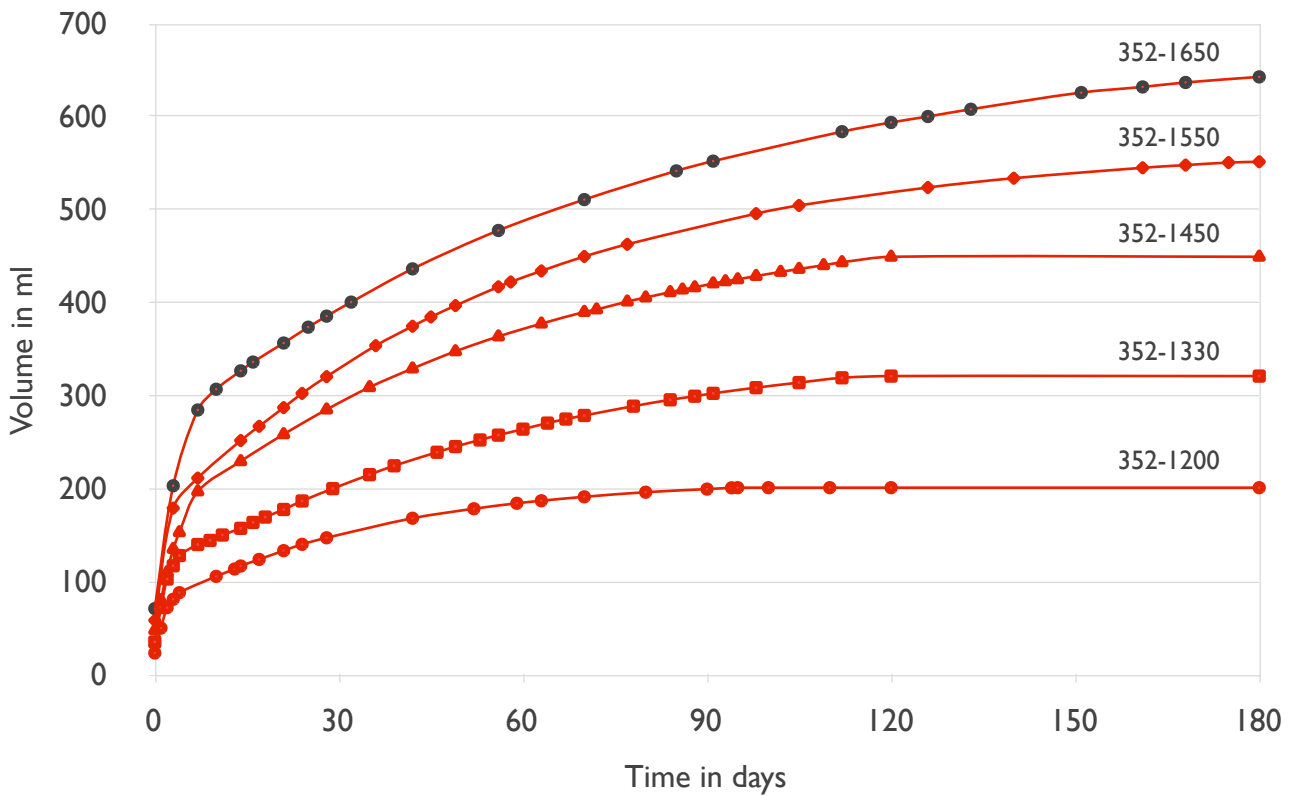
This device is intended for temporary implantation.

# Dimensions

			Before swelling			After swelling*		
Order No.	Item	Volume	Projection	Diameter	Volume	Projection	Diameter	
352-1200	Round 200 ml	20 ml	18 mm	37 mm	200 ml	80 mm		
352-1330	Round 330 ml	30 ml	21 mm	42 mm	330 ml	49 mm	101 mm	
352-1450	Round 450 ml	43 ml	24 mm	51 mm	450 ml	60 mm	110 mm	
352-1550	Round 550 ml	60 ml	26 mm	51 mm	550 ml	71 mm	115 mm	
352-1650	Round 650 ml	70 ml	28 mm	55 mm	650 ml	75 mm	120 mm	

\* in vitro in 0.9% NaCl-Sol.

# In-vitro-swelling-curve\*



\* in-vitro in 0,9% NaCl -solution

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