

PhaSeal Protector™



Protector 14, 21, 28, 50, 53

The Protector is a pressure equalization device, permanently attached to the vial and used in the preparation of drugs from either powder or liquid form. A Protector provides closed pressure equalisation through the sealed expansion chamber and dry connections via the double membrane technique. It effectively ensures that there is neither overpressure nor vacuum when air or fluid is injected into or aspirated from the vial.

BILL OF MATERIALS

Pos.	Components	Material	Characteristics	Qty
1	Expansion film	Polyamide/Polypropylene (PA/PP)	Transparent	1
2	Hydrophobic filter	Polytetrafluoroethylene (PTFE)	White	1
3	Filter cover	Polypropylene (PP)	White	1
4	Membrane	Thermoplastic elastomer (TPE)	Natural opaque	1
5	Housing	Polypropylene (PP)	White	1
6	Cannula (P14, P21, P50, P53)	Stainless steel	AISI 304	1
7	Protective lid	Polyethylene (PE)	(see below, Color)	1

PHYSICAL CHARACTERISTICS

	Protector 14	Protector 21	Protector 28	Protector 50	Protector 53
Fits to vial necksize	Ø13 mm	Ø20 mm	Ø28 mm	Ø20 mm	Ø32 mm
Pressure equalization	20 ml	20 ml	60 ml	50 mm	50 mm
Color	Blue ●	Red ●	White ○	Green ●	Purple ●

ASSEMBLY DRAWING

