

Vertical Gel Units

The TV400 Maxi Vertical Gel System and Blotting Unit

The new Dual Maxi Vertical Gel System for up to 20 x 20 cm gels:



TV400YK with TV400-EBGRM module.



Enhanced features include:

- **Cooling Coil inside buffer tank** - Provides direct cooling of the buffer so enhancing gel and blot resolution. (K version only)
- **Finger stops on tank.** - Provide a firm, positive grip of the tank during transportation.

New Gel Running Module (GRM) - This has new key features:

- **Finger lugs** - Assist in carrying the GRM around the laboratory and in insertion and removal of the module from the tank.
- **Ultra Soft Silicone seal.** - Ensures an excellent leak tight seal between the glass plates and the inner buffer chamber.
- **Gel clamps.** - 3 screws per gel clamp offers a quick and effective time saving assembly / disassembly process.

Vertical Gel Units

New Electro Blotting Module - This has new key features:

- Utilises the same tank for added convenience.
- Top and bottom clamps eliminate need to turn the “gel sandwich” through 90° prior to use.
- Locking lugs on the base of the “gel sandwich” ensure a positive fit into the module.
- Recesses in the feet of the module lock into lugs in the tank walls to provide stability.

Technical Specifications

- The new parallel clamping mechanism ensures even pressure is imparted onto the gel cassettes or glass plates. This eliminates any undue pressure on the gel and so prevents lane distortion.
- The gels are fully submerged in running buffer during electrophoresis, evenly distributing the heat generated and improving gel resolution.
- To further enhance resolution or to reduce run times, additional cooling is provided in the super-cooled tank options, the TV400K and TV400YK.
- The TV400K and TV400YK can be connected to a re-circulating chiller, the K-ELECTRO4 which will keep the temperature of the running buffer below room temperature.
- Hand Cast option comes complete with all necessary accessories.

Ordering Information

Tank + gel running module. Includes 2 x 4mm notched glass plates, 2 x 4mm plain glass plates with 1mm bonded spacers, 1 x Dummy plate, 2 x Combs 1mm 24 Sample.	TV400
TV400 with cooling coil.	TV400K
TV400 with casting base.	TV400Y
TV400K with casting base.	TV400YK
Gel running module.	TV400-GRM
Replacement tank.	TV400-TANK
Super Cooled Replacement tank.	TV400-KTANK
Replacement lid.	TV400-LID
Replacement clamp PK/4.	TV400-CLAMP
Screw set for TV400-CLAMP PK/12.	TV400-SCW
Replacement gasket set for GRM PK/2.	TV400-GS
Plain 200 X 200 mm Glass with fixed 0.75mm spacers PK2.	TV400-PGS0.75
Plain 200 X 200 mm Glass with fixed 1mm spacers PK2.	TV400-PGS1
Plain 200 X 200 mm Glass with fixed 1.5mm spacers PK2.	TV400-PGS1.5
Plain 200 X 200 mm Glass with fixed 2mm spacers PK2.	TV400-PGS2
Notched glass 200 X 200 mm PK2.	TV400-NG
Plain glass 200 X 200 mm PK2 (requires spacers see V20 range).	TV400-PG
Casting base.	TV400-CB
Electroblotting Module for TV 400.	TV400-EBGRM
Fibre pads 20 x20 cm, PK/4 for EBGRM	TV400-FPL
Compression cassette for EBGRM	TV400-CC

Technical Specifications

Size	Up to 20.5 x 20 cm plate
Gel size	16.5 x 17.5 cm
Unit dimensions	28.5 x 28.5 x 16.5 cm
Buffer volume	min 950 ml max 4.6 L
Max. sample capacity	96
Combs available	
No. of samples	1,10,18,24,36,48
Thicknesses	0.25,0.35,0.75,1,1.5,2 mm

FOR COMB OPTIONS SEE V20 RANGE,
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Typical Applications

Protein and nucleic acid separations, SDS-PAGE, Preparative, Peptide and Gradient pore separations.

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