

Velocity 30R

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High Speed : 30,000rpm

Refrigerated Centrifuge



Dynamica
A Techcomp Company

Velocity 30R

High Speed Refrigerated Centrifuge



Max. volume: 6 x 250 ml

Max. speed: 30,000 rpm

Max. RCF: 65,395 x g

Temp. -20°C to +40°C



Features & Characteristics

- Shock and Chemical resistance housing
- Large LCD display
- Automatic rotor identification system with over speed protection
- Automatic imbalance indication with safety cut-off
- CFC-free refrigeration system
- Large selection of rotors and accessories
- Maintenance-free induction motor

Distinct Control Panel



- One-hand operation
- 10 acceleration and deceleration rates
- Pre-cooling program option
- Standstill cooling
- Running time from 10s to 99h59min or continuous.
- Storage of up to 99runs incl. rotor type
- Quick key for short runs
- Diagnostic program
- Pre-programmed starting time

ROTOR GUIDE

Swing out rotor SW4H

Order No. : D-V30R22115V20
 max. speed : 4,000 rpm
 max. RCF : 2,987 x g
 Max. radius : 16.7 cm
 Temp. at max. speed : -18°C



SW4H-ADAPTOR

Volume	250 ml	100 ml	50 ml	50 ml	50 ml	50 ml	50 ml	25 ml
Tubes Ø in mm	62	41	34	29	29	29	29	24.5
Length min./max. (mm)	110/130	95/120	100/120	95/120	116	100/120	100/120	100/120
Tubes per rotor	4	4	4	12	12	8	20	
Radius Correction (cm)	0.7	0.5	0.6	0.1	0	0.6	0.3	
Order No	D-V30R628000	D-V30R628001	D-V30R628008	D-V30R628002	D-V30R628005	D-V30R628006	D-V30R628003	

Volume	25 ml	15 ml	15 ml	10 ml	9 ml	5-7 ml	1.5-2.0 ml
Tubes Ø in mm	24.5	17	17	16	14	13	11
Length min./max. (mm)	85/100	76/115	120	80/100	76/115	65/120	38
Tubes per rotor	12	36	28	32	36	56	36
Radius Correction (cm)	0.9	0.1	0	0.1	0.1	0.5	0.8
Order No	D-V30R628010	D-V30R628004	D-V30R628007	D-V30R628012	D-V30R628004	D-V30R628013	D-V30R628016

	Rim	Vacutainer®	Vacutainer®	Sarstedt®	Sarstedt®
Volume	15 ml	1.8-7 ml	6-10 ml	2.6-5 ml	4-10 ml
Tubes Ø in mm	17	13	16	13	15
Length min./max. (mm)	100/120	75/100	75/100	65/100	75/100
Tubes per rotor	28	40	32	40	32
Radius Correction (cm)	0.3	0.5	0.1	0.5	0.1
Order No. Tube rack	D-V30R628011	D-V30R628014	D-V30R628015	D-V30R628014	D-V30R628015

Microplates rotor SW4MPH

Order no. : D-V30R22116V20
 Max. speed : 4,500 rpm
 Max. RCF : 2,716 x g
 Capacity : 2 x 3 Microplates
 Adaptor : D-V30R706000 - 48 x 1.5 ml /2.0 ml Tubes



ROTOR GUIDE

Fixed Angle Rotor



Rotor:
Order no.
Max. speed:
Max. RCF:
Capacity:

FA4H
D-V30R22119V20
4,500 rpm
2,830/2,467 x g
30 x 15 ml glass
20 x 15 ml conical

FA10HA
D-V30R22121V20
10,000 rpm
15,650 x g
6 x 250 ml

FA13H
D-V30R22118V20
13,000 rpm
21,726 x g
6 x 85 ml

FA21H
D-V30R22122V20
21,000 rpm
41,410 x g
6 x 50 ml

FA20H
D-V30R22120V20
20,000 rpm
41,137 x g
4 x 85 ml



Rotor:
Order no.
Max. speed:
Max. RCF:
Capacity:

FA16H
D-V30R22128V20
16,000 rpm
28,045 x g
20 x 10ml

FA20HB
D-V30R22117V20
20,000 rpm
42,032 x g
30 x 1.5/2.0ml

FA30H
D-V30R22123V20
30,000 rpm
65,395 x g
12 x 1.5/2.0 ml

FA10HB
D-V30R22152V20
10,500 rpm
16,022 x g
10 x 50 ml conical

Specification

Model	V30R
Maximum speed	30,000rpm (Rotor FA30H)
Maximum RCF	65,395 x g (Rotor FA30H)
Max. Nominal Capacity	1.5L (Rotor FA10FA 6 x 250ml)
Drive unit	Maintenance-free induction motor
Speed Control Range	200rpm to 30,000rpm , 10 rpm increments
Acceleration/Deceleration mode	0 -9 stages
Temperature setting range	-20°C to +40°C in steps of 1°C
Refrigeration system	CFC-free refrigeration system
Time setting	Running time from 10 sec to 99 h 59 min. or "continuous"
Program memory	Store 99 complete centrifuge runs
Rotor recognition	Automatic rotor recognition and speed correction
Imbalance indication	Automatic imbalance indication with safety cut off
Safety Devices	Motor driven lid lock, audio signal after stop
Noise Level	< 65 dBA at max. Speed
Dimensions	W 71.5 X D 51 X H 42 cm
Weight	91 kg
Main Power	AC 230V/ 50-60Hz 1 ph (Voltage Fluctuation'+ - 10%)
Current Consumption	5.9A
Power Consumption	1.2KW



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