## evosafe ecologic



# SNIJDERS ULTRA-LOW TEMPERATURE -86°C FREEZERS VF830-86G



Volume total Usable volume 2/4 compartments Storage capacity 2" boxes/50 mm 616 External dimensions 1340/1285 x 888 x 1992 mm Internal dimensions 1035 x 626,5/592 x 1276 mm Compartments/inner doors/platforms Main door Mith lock and keys Inner doors Stainless Steel, insulated Material internal/external Placed on Heavy duty castors, in front with brakes Insulation Polyurethane Cooling Two (2) cascade connected compressors Refrigerants First stage: R455A/Second stage: R170 Condenser Air-cooled Temperature adjustments -50°C till -86°C (other range; on request) Controller Web-based microprocessor Display T" Touchscreen in main door at eye level Temperature history On display with scroll function Data storage At least 12 months Temperature sensors PT1000 Backup battery Alarming Optical and acoustic, but also possible via E-Mail Communication Telephone dialling activation system Potential (Voltage) free contact RJ45 (Ethernet) connection USB connection Software I-freeze CO <sub>2</sub> -backup system Partially prepared Transit/vacuum release Ø 26 mm / vacuum release situated in transit Cable entry ports Two (2) Compressor room Well-arranged layout and very easy filter exchange Requirements 220/240 VAC, 50 Hz, fuse 16 Amp. slow Power and current rating 1530 VA/1290 W/6,9 Amp. Energy consumption 14 kWh/24h Heat exchange 0,51 kW/h Noise level Net weight	Туре	Upright		
Usable volume 2/4 compartments Storage capacity 2" boxes/50 mm 616 External dimensions 1340/1285 x 888 x 1992 mm Internal dimensions 1035 x 626,5/592 x 1276 mm Compartments/inner doors/platforms 4/2/3 in height adjustable Main door Mith lock and keys Inner doors Stainless steel, insulated Material internal/external Placed on Heavy duty castors, in front with brakes Insulation Polyurethane Cooling Two (2) cascade connected compressors Refrigerants First stage: R455A/Second stage: R170 Condenser Air-cooled Temperature adjustments -50°C till -86°C (other range; on request) Controller Web-based microprocessor Display Temperature history On display with scroll function Data storage At least 12 months Temperature sensors PT1000 Backup battery Alarming Optical and acoustic, but also possible via E-Mail Communication Telephone dialling activation system Potential (Voltage) free contact RJ45 (Ethernet) connection USB connection  Software I-freeze CO <sub>2</sub> -backup system Partially prepared Transit/vacuum release Ø 26 mm / vacuum release situated in transit Cable entry ports Cable entry ports Two (2) Compressor room Well-arranged layout and very easy filter exchange Requirements 220/240 VAC, 50 Hz, fuse 16 Amp. slow Power and current rating Energy consumption 14 kWh/24h Heat exchange 0,51 kW/h Noise level Net weight				
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Main door  Inner doors  Stainless steel, insulated  Material internal/external  Placed on  Heavy duty castors, in front with brakes  Insulation  Polyurethane  Cooling  Two (2) cascade connected compressors  Refrigerants  First stage: R455A/Second stage: R170  Condenser  Air-cooled  Temperature adjustments  Controller  Web-based microprocessor  Display  T" Touchscreen in main door at eye level  Temperature sensors  PT1000  Backup battery  Alarming  Alarming  Optical and acoustic, but also possible via E-Mail  Communication  Telephone dialling activation system  Potential (Voltage) free contact  RJ45 (Ethernet) connection  USB connection  Software  I-freeze  CO <sub>2</sub> -backup system  Partially prepared  Transit/vacuum release  Cable entry ports  Two (2)  Compressor room  Well-arranged layout and very easy filter exchange  Requirements  220/240 VAC, 50 Hz, fuse 16 Amp. slow  Power and current rating  Energy consumption  14 kWh/24h  Heat exchange  Note weight  Note weight  Solated  Tanoit (Voltage)  To Harming  Requirements  220/240 VAC, 50 Hz, fuse 16 Amp. slow  Power and current rating  Energy consumption  14 kWh/24h  Heat exchange  Note weight  Solate  Tanoit (Voltage)				
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Refrigerants Condenser Air-cooled Temperature adjustments -50°C till -86°C (other range; on request) Controller Web-based microprocessor Display 7" Touchscreen in main door at eye level Temperature history On display with scroll function Data storage At least 12 months Temperature sensors PT1000 Backup battery Alarming Optical and acoustic, but also possible via E-Mail Communication Telephone dialling activation system Potential (Voltage) free contact RJ45 (Ethernet) connection USB connection USB connection USB connection  Farsit/vacuum release Co <sub>2</sub> -backup system Partially prepared Transit/vacuum release Cable entry ports Two (2) Compressor room Well-arranged layout and very easy filter exchange Requirements Power and current rating 1530 VA/1290 W/6,9 Amp. Energy consumption Heat exchange Noise level Noise level Noise level Noise level S5 dBA Net weight	Insulation	Polyurethane		
Condenser  Temperature adjustments  Controller  Display  Temperature history  Data storage  Alarming  Alarming  Communication  Software  CO <sub>2</sub> -backup system  Transit/vacuum release  Cobes and compressor room  Requirements  Compressor room  Requirements  Power and current rating  Condenser  Alir-cooled  Web-based microprocessor  Web-based microprocessor  Web-based microprocessor  Web-based microprocessor  Web-based microprocessor  Web-based microprocessor  On display with scroll function  At least 12 months  At least 12 months  Potlon  Alarming and monitoring during power failure  Alarming  Optical and acoustic, but also possible via E-Mail  Communication  Telephone dialling activation system  Potential (Voltage) free contact  RJ45 (Ethernet) connection  USB connection  USB connection  USB connection  Well-arranged layout and very easy filter exchange  Requirements  220/240 VAC, 50 Hz, fuse 16 Amp. slow  Power and current rating  1530 VA/1290 W/6,9 Amp.  Energy consumption  14 kWh/24h  Heat exchange  0,51 kW/h  Noise level  Noise level  Noise level  Notation  Air-cooled  Web-based microprocessor  On request)  Web-based microprocessor  Web-based microprocessor  Web-based microprocessor  Web-based microprocessor  Transit/vacuum release  See on the vacuum release situated in transit  Two (2)  Compressor room  Well-arranged layout and very easy filter exchange  Requirements  Power and current rating  1530 VA/1290 W/6,9 Amp.  Energy consumption  14 kWh/24h  Net weight	Cooling	Two (2) cascade connected compressors		
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Controller  Display  7" Touchscreen in main door at eye level  Temperature history  On display with scroll function  Data storage  At least 12 months  Temperature sensors  PT1000  Backup battery  Alarming and monitoring during power failure  Alarming  Optical and acoustic, but also possible via E-Mail  Communication  Telephone dialling activation system  Potential (Voltage) free contact  RJ45 (Ethernet) connection  USB connection  USB connection  Freeze  CO2-backup system  Partially prepared  Transit/vacuum release  Ø 26 mm / vacuum release situated in transit  Cable entry ports  Two (2)  Compressor room  Well-arranged layout and very easy filter exchange  Requirements  Power and current rating  Energy consumption  14 kWh/24h  Heat exchange  Noise level  Noise level  So dBA  Net weight	Condenser	Air-cooled		
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Cable entry ports  Two (2)  Well-arranged layout and very easy filter exchange  Requirements  220/240 VAC, 50 Hz, fuse 16 Amp. slow  Power and current rating  1530 VA/1290 W/6,9 Amp.  Energy consumption  14 kWh/24h  Heat exchange  0,51 kW/h  Noise level  55 dBA  Net weight  390 kg	CO <sub>2</sub> -backup system	Partially prepared		
Cable entry ports  Compressor room  Well-arranged layout and very easy filter exchange  Requirements  220/240 VAC, 50 Hz, fuse 16 Amp. slow  Power and current rating  1530 VA/1290 W/6,9 Amp.  Energy consumption  14 kWh/24h  Heat exchange  0,51 kW/h  Noise level  55 dBA  Net weight  390 kg	2			
Compressor room  Well-arranged layout and very easy filter exchange  Requirements  220/240 VAC, 50 Hz, fuse 16 Amp. slow  Power and current rating  1530 VA/1290 W/6,9 Amp.  Energy consumption  14 kWh/24h  Heat exchange  0,51 kW/h  Noise level  55 dBA  Net weight  390 kg	Cable entry ports			
Power and current rating 1530 VA/1290 W/6,9 Amp.  Energy consumption 14 kWh/24h  Heat exchange 0,51 kW/h  Noise level 55 dBA  Net weight 390 kg	Compressor room			
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Energy consumption 14 kWh/24h  Heat exchange 0,51 kW/h  Noise level 55 dBA  Net weight 390 kg				
Heat exchange 0,51 kW/h Noise level 55 dBA Net weight 390 kg				
Noise level 55 dBA  Net weight 390 kg				
Net weight 390 kg				
	CE certified	EN61010-1:2010, EN60601-1-2:2007		



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# SNIJDERS ULTRA-LOW TEMPERATURE -86°C FREEZERS VF830-86G

### **OPTIONS** Hybride Cooling System Water cooling CO<sub>2</sub>-backup system LN<sub>2</sub>-backup system Extended backup system Temperature chart recorder Voltage stabilizer Transformer IQ/OQ/PQ Electronic lock main door Padlock on main door Left hinged door(s) 3, 4, 5 or 6 compartments/inner doors

Levelling feet Alarming by texting and/or phone

Inner doors lockable by key

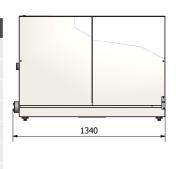
Sliding shelves with hinged front

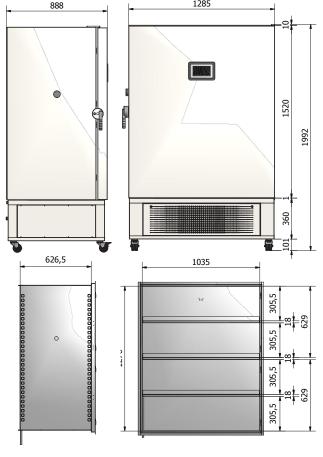
Drawers in Aluminium or Stainless Steel

Racking systems in Aluminum or Stainless Steel

Crvo Boxes

Cryo Gloves





### DRAWER RACKING SYSTEM\*1

Model #	Comp.	# Racks	# Boxes per rack	Total boxes 133x133	Total plates 128x85	Max. height box
DSA-7336-136G	4	28	42		1176/1372*2	33 mm
DSA-5504-136G	4	14	20	616* <sup>2</sup>	924/1078*2	FO 100 100
DSA-6504-136G	14		24	010.2	924/10/8*2	50 mm
DSA-11524-136G	2	14	44	616	924/1078*2	52 mm
DSA-5534-136G	4	28	20	560	840/980*2	53 mm
DSA-7844-136G	2	14	28	392		84 mm
DSA-3914-136G	4	28	12	336		91 mm
DSA-21284-136G	4	28	8	224		128 mm

 $^{*1}$  other dimensions on request.

\*2 only on request.



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### SIDE ACCESS RACKS

Model #	Comp.	# Racks	# Boxes per rack	Total boxes 133x133	Maximum height box
HR-4-6-45	4	28	24	672	45 mm
HR-4-5-53	4	28	20	560	53 mm
HR-4-3-76	4	28	12	336	76 mm
HR-5-FLEX	4	28	20/12	560/336	55/95 mm











