Filtration, Separation & Preparation



Mobius® FlexReady Solution for Large Scale Virus Filtration

Fast setup. Maximum adaptability. Pre-designed and optimized.

The Mobius® FlexReady Solution for Large Scale Virus Filtration is an easy-to-use system featuring an optimized single-use flow path designed to fully support your parvovirus filtration needs.

It features Viresolve® Pro and Pro+ Magnus devices, a next-generation parvovirus safety solution that delivers robust parvovirus clearance capable of processing up to 5 kg of protein or 2000 L volumes at 2.5 g/L expression.

The Mobius® FlexReady Solution for Large Scale Virus Filtration consists of single-use Flexware® assemblies, innovative Viresolve® Pro Solution devices and process-ready hardware systems to deliver optimal operational flexibility. The disposable nature of the flow path eliminates cleaning validation requirements. Accompanied by our extensive support and services, the Mobius® FlexReady Solution for Large Scale Virus Filtration can help you maximize resource productivity and reduce risk.



#### **Benefits**

- Fast setup of hardware with easy installation of optimally designed Flexware<sup>®</sup> assemblies
- Maximum adaptability to your changing operational needs with single-use flow paths
- Pre-designed and optimized for parvovirus filtration to give you confidence and peace of mind



# Parvovirus filtration for large scale production

Mobius® FlexReady Solution for Large Scale Virus Filtration is designed for volumes ranging from 5 kg of protein or 2000 L volumes at 2.5 g/L expression, across a membrane area of 0.51 m² to 3.06 m².

## Each system has the following unique design features:

- Low pulsation single-use pump chamber
- Constant pressure operation using Viresolve<sup>®</sup> Pro solution Δ pressure feedback and pump speed control or constant flow rate operation using pressure feedback and pump speed control
- High-pressure cut-off switch for operator safety
- Feed temperature (resistance thermometer),
   Viresolve® Pro Magnus device feed temperature
   (Device filtrate temperature only available with optional pH and conductivity).
- Optional Viresolve® Pro+ Shield and device or Viresolve® Pre-filter (Pod design)
- Optional filtrate scale for flow rate measurement and cumulative volume during flushing and processing
- Optional filtrate flow meter multi-use for flow rate measurement and cumulative volume during flushing and processing

- Process end-point via cumulative volume/weight or processing time, or conductivity for flushing operations
- Innovative low dead volume t-connectors enabling the use of traditional pressure transducers
- Flexware® assemblies designed to fit the hardware and install quickly and easily
- Ease of operation with an intuitive touch screen interface, user-defined process and alarm set points

#### Viresolve® Pro Magnus Holder

The Viresolve® Pro Magnus holder was designed specifically for large volume processing using the Magnus devices. Loading and unloading of devices is quick and easy. The innovative design of the holder allows drug manufacturers to process several runs with minimum down time between changeovers.

- No product contact eliminates need for cleaning validation
- Ergonomic and easy-to-clean design fits into your facility
- Vertical orientation minimizes holder footprint
- One rod sized to fit from 0.51 m<sup>2</sup> to 3.06 m<sup>2</sup>



#### **Virus Large Scale Specifications**

Descript	tion	VF3 5 LPM	VF3 20 LPM	VF3 40 LPM		
Feed Ski	id Unit Overall Dimensions					
	(H x W x D) mm:	VF3 skid: 1657 x 1875 x 861 (-	+/- 10 mm)			
		POD cart: 1138 x 1129 x 650 (+/- 10 mm)				
Total Weight (approx.)		390 kg				
Wheels						
	No. Total:	4				
	No. Locking:	2				
Utility Requirements:		110 or 230 V 50/60 Hz (1 phase, + N, + G)				
		Power consumption: 1.4 kW				
Universal Power Supply (UPS)		In case of power loss, system shuts down properly (no data loss)				
Electrical Enclosure:		IP 65				
Regulatory Compliance:		CE (2014/30/UE, 2006/42/CE)				
Environmental Temperature Range:						
Humidity:		10 – 90% (non-condensing)				
Pressure Rating:		Up to 4.1 bar (60 psig), 2.1 bar (30 psi) with POD prefilter				
Process Fluid Temperature Range:		4 to 30°C				
	Connection Type:	TC 3/4"				
Materials	s of Construction	D.W				
	Flowpath:	-	propylene, Nylon, EPDM, Santoprene	® resin, Polysulfone (for SUC)		
	Frame:	Painted Stainless Steel 304				
	Holder plate:	Stainless Steel 316 L				
	Regulatory Information:		n contact with the product meet USP 177.2600 and 177.1550 compliant.	<88> biological reactivity test for Class		
Tubing S	Sizes:	3/8" ID	5/8" ID	3/4" ID		
		Up to 4 inlets on manifold (TC 3	3/4")			
Inlets:		Up to 2 drain lines (TC or colde	<u> </u>			
Inlets: Outlets: Max Mer	mbrane Holder Capacity nus filter device:	· · · · · · · · · · · · · · · · · · ·	<u> </u>			
Inlets: Outlets: Max Mer for Magn	mbrane Holder Capacity nus filter device:	Up to 2 drain lines (TC or colde	<u> </u>			
Inlets: Outlets: Max Mer for Magn	nbrane Holder Capacity nus filter device: ne Holder Capacity Viresolve® Pro Magnus/	Up to 2 drain lines (TC or colde	<u> </u>			
Inlets: Outlets: Max Mer for Magn	nbrane Holder Capacity nus filter device: ne Holder Capacity	Up to 2 drain lines (TC or colde	<u> </u>	1.53 – 3.06 m²		
Inlets: Outlets: Max Mer for Magr	nbrane Holder Capacity nus filter device: ne Holder Capacity Viresolve® Pro Magnus/	Up to 2 drain lines (TC or colde Up to 3.06 m <sup>2</sup>	r) + 1 collection (TC)	1.53 - 3.06 m <sup>2</sup> for 1.53 m <sup>2</sup>		
Inlets: Outlets: Max Mer for Magr	nbrane Holder Capacity nus filter device: ne Holder Capacity Viresolve® Pro Magnus/	Up to 2 drain lines (TC or colde)  Up to 3.06 m <sup>2</sup> 0.51 m <sup>2</sup> 420 - 660 LMH @ 30 psig 490 - 665 LMH @ 35 psig	r) + 1 collection (TC)  0.51 - 1.53 m <sup>2</sup>			
Inlets: Outlets: Max Mer for Magr	nbrane Holder Capacity nus filter device: ne Holder Capacity Viresolve® Pro Magnus/	Up to 2 drain lines (TC or colde  Up to 3.06 m <sup>2</sup> 0.51 m <sup>2</sup> 420 - 660 LMH @ 30 psig	0.51 – 1.53 m <sup>2</sup> for 1.02 m <sup>2</sup> 480 – 660 LMH @ 30 psig 490 – 1100 LMH	for 1.53 m <sup>2</sup>		
Inlets: Outlets: Max Mer for Magr	nbrane Holder Capacity nus filter device: ne Holder Capacity Viresolve® Pro Magnus/	Up to 2 drain lines (TC or colde)  Up to 3.06 m <sup>2</sup> 0.51 m <sup>2</sup> 420 - 660 LMH @ 30 psig 490 - 665 LMH @ 35 psig	0.51 - 1.53 m <sup>2</sup> for 1.02 m <sup>2</sup> 480 - 660 LMH @ 30 psig	for 1.53 m <sup>2</sup> 630 – 770 LMH @ 35 psig		
Inlets: Outlets: Max Mer for Magr Membrai	nbrane Holder Capacity nus filter device: ne Holder Capacity Viresolve® Pro Magnus/	Up to 2 drain lines (TC or colde)  Up to 3.06 m <sup>2</sup> 0.51 m <sup>2</sup> 420 - 660 LMH @ 30 psig 490 - 665 LMH @ 35 psig	0.51 – 1.53 m <sup>2</sup> for 1.02 m <sup>2</sup> 480 – 660 LMH @ 30 psig 490 – 1100 LMH	for 1.53 m <sup>2</sup> 630 – 770 LMH @ 35 psig 640 – 880 LMH @ 40 psig		
Inlets: Outlets: Max Mer for Magr Membrai	nbrane Holder Capacity nus filter device: ne Holder Capacity Viresolve® Pro Magnus/	Up to 2 drain lines (TC or colde)  Up to 3.06 m <sup>2</sup> 0.51 m <sup>2</sup> 420 - 660 LMH @ 30 psig 490 - 665 LMH @ 35 psig	0.51 – 1.53 m <sup>2</sup> for 1.02 m <sup>2</sup> 480 – 660 LMH @ 30 psig 490 – 1100 LMH	for 1.53 m <sup>2</sup> 630 – 770 LMH @ 35 psig 640 – 880 LMH @ 40 psig		
Inlets: Outlets: Max Mer for Magr Membrai	mbrane Holder Capacity nus filter device: ne Holder Capacity Viresolve® Pro Magnus/ Shield Device:	Up to 2 drain lines (TC or colder  Up to 3.06 m <sup>2</sup> 0.51 m <sup>2</sup> 420 - 660 LMH @ 30 psig 490 - 665 LMH @ 35 psig 560 - 680 LMH @ 40 psig	0.51 - 1.53 m <sup>2</sup> for 1.02 m <sup>2</sup> 480 - 660 LMH @ 30 psig 490 - 1100 LMH (b/w 35 - 50 psig)	for 1.53 m <sup>2</sup> 630 – 770 LMH @ 35 psig 640 – 880 LMH @ 40 psig 700 – 1100 LMH @ 50 psig		
Inlets: Outlets: Max Mer for Magr Membrai	mbrane Holder Capacity nus filter device: ne Holder Capacity Viresolve® Pro Magnus/ Shield Device:	Up to 2 drain lines (TC or colde  Up to 3.06 m²  0.51 m²  420 - 660 LMH @ 30 psig 490 - 665 LMH @ 35 psig 560 - 680 LMH @ 40 psig	0.51 - 1.53 m <sup>2</sup> for 1.02 m <sup>2</sup> 480 - 660 LMH @ 30 psig 490 - 1100 LMH (b/w 35 - 50 psig)  Quattroflow™/Almatech	for 1.53 m <sup>2</sup> 630 – 770 LMH @ 35 psig 640 – 880 LMH @ 40 psig 700 – 1100 LMH @ 50 psig  Quattroflow™/Almatech		
Inlets: Outlets: Max Mer for Magr Membrai	mbrane Holder Capacity nus filter device:  ne Holder Capacity Viresolve® Pro Magnus/ Shield Device:  Brand: Model:	Up to 2 drain lines (TC or colde  Up to 3.06 m²  0.51 m²  420 - 660 LMH @ 30 psig 490 - 665 LMH @ 35 psig 560 - 680 LMH @ 40 psig  Quattroflow™/Almatech 150S	0.51 - 1.53 m <sup>2</sup> for 1.02 m <sup>2</sup> 480 - 660 LMH @ 30 psig  490 - 1100 LMH (b/w 35 - 50 psig)  Quattroflow™/Almatech 1200S	for 1.53 m <sup>2</sup> 630 - 770 LMH @ 35 psig 640 - 880 LMH @ 40 psig 700 - 1100 LMH @ 50 psig  Quattroflow™/Almatech 1200S		
Inlets: Outlets: Max Mer for Magr  Membrai  Flux:	mbrane Holder Capacity nus filter device:  ne Holder Capacity Viresolve® Pro Magnus/ Shield Device:  Brand: Model: Quantity	Up to 2 drain lines (TC or colded Up to 3.06 m²  0.51 m²  420 - 660 LMH @ 30 psig 490 - 665 LMH @ 35 psig 560 - 680 LMH @ 40 psig  Quattroflow™/Almatech 150S 2	0.51 - 1.53 m <sup>2</sup> for 1.02 m <sup>2</sup> 480 - 660 LMH @ 30 psig  490 - 1100 LMH (b/w 35 - 50 psig)  Quattroflow™/Almatech 1200S 1	for 1.53 m <sup>2</sup> 630 - 770 LMH @ 35 psig 640 - 880 LMH @ 40 psig 700 - 1100 LMH @ 50 psig  Quattroflow™/Almatech 1200S 2		
Inlets: Outlets: Max Mer for Magr  Membrai  Flux:  Pumps  Valves	mbrane Holder Capacity nus filter device:  ne Holder Capacity Viresolve® Pro Magnus/ Shield Device:  Brand: Model: Quantity	Up to 2 drain lines (TC or colded Up to 3.06 m²  0.51 m²  420 - 660 LMH @ 30 psig 490 - 665 LMH @ 35 psig 560 - 680 LMH @ 40 psig  Quattroflow™/Almatech 150S 2	0.51 - 1.53 m <sup>2</sup> for 1.02 m <sup>2</sup> 480 - 660 LMH @ 30 psig  490 - 1100 LMH (b/w 35 - 50 psig)  Quattroflow™/Almatech 1200S 1	for 1.53 m <sup>2</sup> 630 - 770 LMH @ 35 psig 640 - 880 LMH @ 40 psig 700 - 1100 LMH @ 50 psig  Quattroflow™/Almatech 1200S 2		
Inlets: Outlets: Max Mer for Magr  Membrai  Flux:  Pumps  Valves	mbrane Holder Capacity nus filter device:  ne Holder Capacity Viresolve® Pro Magnus/ Shield Device:  Brand: Model: Quantity Flow range:	Up to 2 drain lines (TC or colded Up to 3.06 m²  0.51 m²  420 - 660 LMH @ 30 psig 490 - 665 LMH @ 35 psig 560 - 680 LMH @ 40 psig  Quattroflow™/Almatech 150S 2	0.51 - 1.53 m <sup>2</sup> for 1.02 m <sup>2</sup> 480 - 660 LMH @ 30 psig  490 - 1100 LMH (b/w 35 - 50 psig)  Quattroflow™/Almatech 1200S 1	for 1.53 m <sup>2</sup> 630 - 770 LMH @ 35 psig 640 - 880 LMH @ 40 psig 700 - 1100 LMH @ 50 psig  Quattroflow™/Almatech 1200S 2		
Inlets: Outlets: Max Mer for Magn Membrai Flux: Pumps	mbrane Holder Capacity nus filter device:  ne Holder Capacity Viresolve® Pro Magnus/ Shield Device:  Brand: Model: Quantity Flow range:	Up to 2 drain lines (TC or colder  Up to 3.06 m²  0.51 m²  420 - 660 LMH @ 30 psig 490 - 665 LMH @ 35 psig 560 - 680 LMH @ 40 psig  Quattroflow™/Almatech 150S 2 0.2 - 5 LPM	0.51 - 1.53 m <sup>2</sup> for 1.02 m <sup>2</sup> 480 - 660 LMH @ 30 psig  490 - 1100 LMH (b/w 35 - 50 psig)  Quattroflow™/Almatech 1200S  1 2 - 20 LPM	for 1.53 m <sup>2</sup> 630 - 770 LMH @ 35 psig 640 - 880 LMH @ 40 psig 700 - 1100 LMH @ 50 psig  Quattroflow™/Almatech 1200S 2 4 - 40 LPM		
Inlets: Outlets: Max Mer for Magn Membrai Flux: Pumps	mbrane Holder Capacity nus filter device:  ne Holder Capacity Viresolve® Pro Magnus/ Shield Device:  Brand: Model: Quantity Flow range:  re Valves Type:	Up to 2 drain lines (TC or colded Up to 3.06 m²  0.51 m²  420 - 660 LMH @ 30 psig 490 - 665 LMH @ 35 psig 560 - 680 LMH @ 40 psig  Quattroflow™/Almatech 150S 2 0.2 - 5 LPM  Manual pinch valve	0.51 - 1.53 m <sup>2</sup> for 1.02 m <sup>2</sup> 480 - 660 LMH @ 30 psig  490 - 1100 LMH (b/w 35 - 50 psig)  Quattroflow™/Almatech 1200S 1 2 - 20 LPM  Manual pinch valve	for 1.53 m <sup>2</sup> 630 - 770 LMH @ 35 psig 640 - 880 LMH @ 40 psig 700 - 1100 LMH @ 50 psig  Quattroflow™/Almatech 1200S 2 4 - 40 LPM  Manual pinch valve		
Inlets: Outlets: Max Mer for Magr  Membrai  Flux:  Pumps  Valves  Hardwar	mbrane Holder Capacity nus filter device:  ne Holder Capacity Viresolve® Pro Magnus/ Shield Device:  Brand: Model: Quantity Flow range:  re Valves Type: Brand: Model: Model:	Up to 2 drain lines (TC or colded Up to 3.06 m²  0.51 m²  420 - 660 LMH @ 30 psig 490 - 665 LMH @ 35 psig 560 - 680 LMH @ 40 psig  Quattroflow™/Almatech 150S 2 0.2 - 5 LPM  Manual pinch valve Pinch Valve Biovalve	0.51 - 1.53 m <sup>2</sup> for 1.02 m <sup>2</sup> 480 - 660 LMH @ 30 psig  490 - 1100 LMH (b/w 35 - 50 psig)  Quattroflow™/Almatech 1200S 1 2 - 20 LPM  Manual pinch valve Pinch Valve Biovalve	for 1.53 m <sup>2</sup> 630 - 770 LMH @ 35 psig 640 - 880 LMH @ 40 psig 700 - 1100 LMH @ 50 psig  Quattroflow™/Almatech 1200S 2 4 - 40 LPM  Manual pinch valve Pinch Valve Biovalve		
Inlets: Outlets: Max Mer for Magr  Membrai  Flux:  Pumps  Valves  Hardwar	mbrane Holder Capacity nus filter device:  ne Holder Capacity Viresolve® Pro Magnus/ Shield Device:  Brand: Model: Quantity Flow range:  re Valves Type: Brand: Model: Model:	Up to 2 drain lines (TC or colded Up to 3.06 m²  0.51 m²  420 - 660 LMH @ 30 psig 490 - 665 LMH @ 35 psig 560 - 680 LMH @ 40 psig  Quattroflow™/Almatech 150S 2 0.2 - 5 LPM  Manual pinch valve Pinch Valve Biovalve	0.51 - 1.53 m <sup>2</sup> for 1.02 m <sup>2</sup> 480 - 660 LMH @ 30 psig  490 - 1100 LMH (b/w 35 - 50 psig)  Quattroflow™/Almatech 1200S 1 2 - 20 LPM  Manual pinch valve Pinch Valve Biovalve	for 1.53 m <sup>2</sup> 630 - 770 LMH @ 35 psig 640 - 880 LMH @ 40 psig 700 - 1100 LMH @ 50 psig  Quattroflow™/Almatech 1200S 2 4 - 40 LPM  Manual pinch valve Pinch Valve Biovalve		
Inlets: Outlets: Max Mer for Magr  Membrai  Flux:  Pumps  Valves  Hardwar	mbrane Holder Capacity nus filter device:  ne Holder Capacity Viresolve® Pro Magnus/ Shield Device:  Brand: Model: Quantity Flow range:  re Valves Type: Brand: Model: e Switch	Up to 2 drain lines (TC or colder  Up to 3.06 m²  0.51 m²  420 - 660 LMH @ 30 psig 490 - 665 LMH @ 35 psig 560 - 680 LMH @ 40 psig  Quattroflow™/Almatech 150S 2 0.2 - 5 LPM  Manual pinch valve Pinch Valve Biovalve 3/8	0.51 - 1.53 m <sup>2</sup> for 1.02 m <sup>2</sup> 480 - 660 LMH @ 30 psig  490 - 1100 LMH (b/w 35 - 50 psig)  Quattroflow™/Almatech 1200S 1 2 - 20 LPM  Manual pinch valve Pinch Valve Biovalve 1/2-1	for 1.53 m <sup>2</sup> 630 - 770 LMH @ 35 psig 640 - 880 LMH @ 40 psig 700 - 1100 LMH @ 50 psig  Quattroflow™/Almatech 1200S 2 4 - 40 LPM  Manual pinch valve Pinch Valve Biovalve 1/2-1		
Inlets: Outlets: Max Mer for Magr  Membrai  Flux:  Pumps  Valves	mbrane Holder Capacity nus filter device:  ne Holder Capacity Viresolve® Pro Magnus/ Shield Device:  Brand: Model: Quantity Flow range:  re Valves Type: Brand: Model: e Switch Location:	Up to 2 drain lines (TC or colded Up to 3.06 m²  0.51 m²  420 - 660 LMH @ 30 psig 490 - 665 LMH @ 35 psig 560 - 680 LMH @ 40 psig  Quattroflow™/Almatech 150S 2 0.2 - 5 LPM  Manual pinch valve Pinch Valve Biovalve 3/8  After pumps	0.51 - 1.53 m <sup>2</sup> for 1.02 m <sup>2</sup> 480 - 660 LMH @ 30 psig  490 - 1100 LMH (b/w 35 - 50 psig)  Quattroflow™/Almatech 1200S 1 2 - 20 LPM  Manual pinch valve Pinch Valve Biovalve 1/2-1  After pumps	for 1.53 m² 630 - 770 LMH @ 35 psig 640 - 880 LMH @ 40 psig 700 - 1100 LMH @ 50 psig  Quattroflow™/Almatech 1200S 2 4 - 40 LPM  Manual pinch valve Pinch Valve Biovalve 1/2-1  After pumps		
Outlets: Max Mer for Magr  Membrai  Flux:  Pumps  Valves  Hardwar	mbrane Holder Capacity nus filter device:  ne Holder Capacity Viresolve® Pro Magnus/ Shield Device:  Brand: Model: Quantity Flow range:  re Valves Type: Brand: Model: Switch Location: Brand:	Up to 2 drain lines (TC or colder  Up to 3.06 m²  0.51 m²  420 - 660 LMH @ 30 psig 490 - 665 LMH @ 35 psig 560 - 680 LMH @ 40 psig  Quattroflow™/Almatech 150S 2 0.2 - 5 LPM  Manual pinch valve Pinch Valve Biovalve 3/8  After pumps Labom	0.51 - 1.53 m <sup>2</sup> for 1.02 m <sup>2</sup> 480 - 660 LMH @ 30 psig  490 - 1100 LMH (b/w 35 - 50 psig)  Quattroflow™/Almatech 1200S 1 2 - 20 LPM  Manual pinch valve Pinch Valve Biovalve 1/2-1  After pumps Labom	for 1.53 m <sup>2</sup> 630 - 770 LMH @ 35 psig 640 - 880 LMH @ 40 psig 700 - 1100 LMH @ 50 psig  Quattroflow™/Almatech 1200S 2 4 - 40 LPM  Manual pinch valve Pinch Valve Biovalve 1/2-1  After pumps Labom		

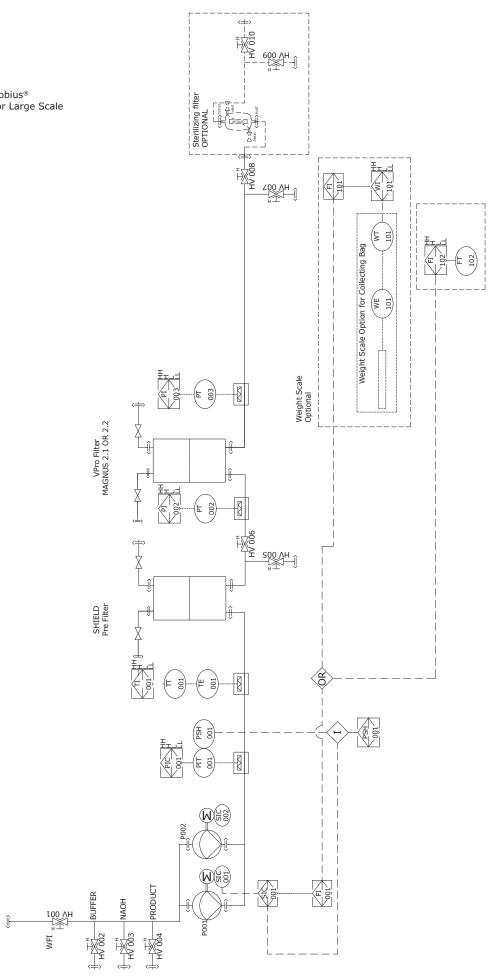
Description	VF3 5 LPM	VF3 20 LPM	VF3 40 LPM		
Sensors					
Pressure (Optional):	Name to be considered	Name intervalian	Non-trademanta a		
Type: Location:	Non intrusive Before Viresolve® Pro Magnus device	Non intrusive Before Viresolve® Pro Magnus device	Non intrusive Before Viresolve® Pro Magnus device		
Brand:	Labom	Labom	Labom		
Model:	CC 60	CC 60	CC 60		
Range:	0 – 6 bar	0 – 6 bar	0 – 6 bar		
Loop accuracy: Pressure:	±0.2 bar	±0.2 bar	±0.2 bar		
Type:	Non intrusive	Non intrusive	Non intrusive		
Location:	After Viresolve® Pro Magnus device	After Viresolve® Pro Magnus device	After Viresolve® Pro Magnus device		
Brand:	Labom	Labom	Labom		
Model: Range:	CC 60 0 – 6 bar	CC 60 0 – 6 bar	CC 60 0 – 6 bar		
Loop accuracy:	±0.2 bar	± 0.2 bar	± 0.2 bar		
Temperature:					
Type:	Non intrusive	Non intrusive	Non intrusive		
Location: Brand:	After pumps Labom	After pumps Labom	After pumps Labom		
Model:	Type Series GA270	Type Series GA270	Type Series GA270		
Range:	-40°C / + 85°C	-40°C / + 85°C	-40°C / + 85°C		
Loop accuracy:	±2°C	±2°C	±2°C		
Filtrate pH (Optional): Type:	Single-use cell using glass pH probe	Single-use cell using glass pH probe	Single-use cell using glass pH probe		
Location:	After Viresolve® Pro Magnus device	After Viresolve® Pro Magnus device	After Viresolve® Pro Magnus device		
Brand:	Finesse	Finesse	Finesse		
Model:	True pH	True pH	True pH		
Range:	1 to 14 pH	1 to 14 pH	1 to 14 pH		
Loop accuracy: Filtrate Conductivity (Optional):	±0.1 pH (b/w pH 3 to 9)	± 0.1 pH (b/w pH 3 to 9)	± 0.1 pH (b/w pH 3 to 9)		
Type:	Single-use cell	Single-use cell	Single-use cell		
Location:	After Viresolve® Pro Magnus device	After Viresolve® Pro Magnus device	After Viresolve® Pro Magnus device		
Brand:	Optek	Optek	Optek		
Model: Range:	ACF60 0 - 150 mS/cm	ACF60 0 - 150 mS/cm	ACF60 0 - 150 mS/cm		
Loop accuracy:	± 2% FS	± 2% FS	± 2% FS		
Filtrate Flowmeter (Optional):					
	Electrical connection available for	Electrical connection available for	Electrical connection available for		
Filtrate Weight scale:	a customer filtrate flowmeter	a customer filtrate flowmeter	a customer filtrate flowmeter		
Location:	Filtrate line for recovery bag	Filtrate line for recovery bag	Filtrate line for recovery bag		
Brand:	Customer balance or Metler Toledo	Customer balance or Metler Toledo	Customer balance or Metler Toledo		
Model:	Deckmate 2888 Portable	Deckmate 2888 Portable or	PFA579-FM3000		
Range:	0 - 600 kg	PFA579-FM3000 0 - 600 kg or 0 - 3000 kg	0 – 3000 kg		
Loop accuracy:	0.1% FS	0.1% FS	0.1% FS		
Control Loops:	Calculated feed flow (±10% measured value)				
	Constant Magnus Delta $\Delta$				
	Constant flow rate				
	Constant flow followed by constant	Delta Δ			
Automation:	Semi-automated system with manual valves actuation				
	Reports generation (analog values,				
	Partially compliant with 21CFR Part	11			
CPU:	Siemens CPU				
Screen:	Siemens Simatic				
Data export:	On MMC card, on external computer				
Ethernet IP connection (optional):	Anybus® x-Gateway™ Ethernet adapter				
Documentation:	User Manual: 1 paper copy + on CD				
	Technical Documentation: on CD				
	QA documentation: on CD				

Description	Dimensions	
Viresolve® Pre-filter Pod Holder		
Overall Dimensions (H x W x D) mm (optional):	660 x 640 x 1090	
Total Weight	140 kg	
Wheels		
No. Total: No. Locking:	4 2	
Viresolve® Pre-filter Membrane Holder Recommended Capacity (optional):	Up to 5.5 m <sup>2</sup>	

#### Figure 2.

Diagram Example: Mobius® FlexReady Solution for Large Scale

Virus Filtration



MilliporeSigma 290 Concord Road Billerica, MA 01821

### To place an order or receive technical assistance

In the U.S. and Canada, call toll-free 1-800-645-5476 For other countries across Europe and the world, please visit: **EMDMillipore.com/offices** For Technical Service, please visit: **EMDMillipore.com/techservice** 

EMDMillipore.com

