

# PLUG-AND-PUMP PRESSURE BOOSTING

Designed for pressure boosting and transfer of clean water, Grundfos Hydro Multi-S booster systems are easy to install, start up and operate.



100%  
Grundfos

Every component in a Hydro Multi-S booster system – from the non-return valve to the manifold – is made by Grundfos. All components work perfectly together, and the entire booster set is covered by a Grundfos warranty.



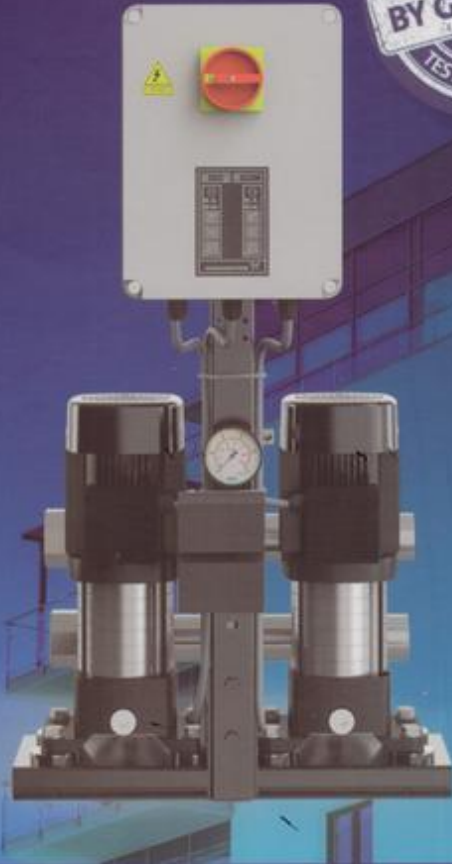
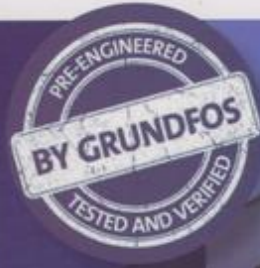
Grundfos Hydro Multi-S booster systems consist of two or three identical fixed speed Grundfos CM, CMV or CR pumps connected in parallel and mounted on a common base frame and a control cabinet with motor protection and integrated controller.

Hydro Multi-S booster sets are supplied as complete, pre-assembled and tested systems including suction and discharge manifolds, isolating valves, non-return valves, pressure

gauge and pressure switches. The pumps are automatically operated according to system demand by means of pressure switches, one for each pump.

With the reliability, efficiency and adaptability of the world's best multi-stage centrifugal pumps at the heart of the Grundfos Hydro Multi-S booster system, premium quality, superb value and long equipment life is assured.





# PRESSURE BOOSTING MADE SIMPLE

## FUNCTIONAL BENEFITS

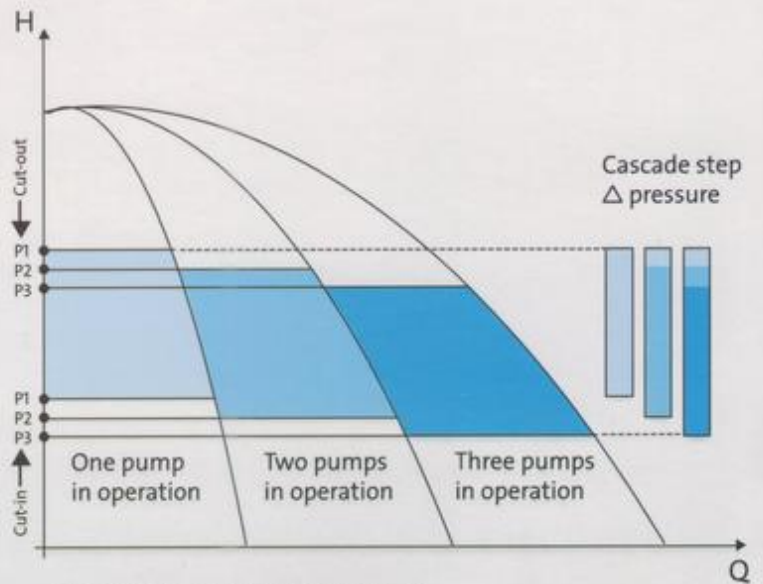
- Cascading operation, duty / assist operation
- Factory pre-set for ease of commissioning
- Plug-and-pump solution, ready for installation and start up
- Simple and robust design

## EASY OPERATION FOR A RANGE OF PURPOSES

- Apartment blocks
- Hotels
- Schools
- Industry

## CONTROL METHOD

- The pressure switches are factory set so the system is ready to use straight out of the box



Operation with cut-in and cut-out



# PERFORMANCE DATA OVERVIEW

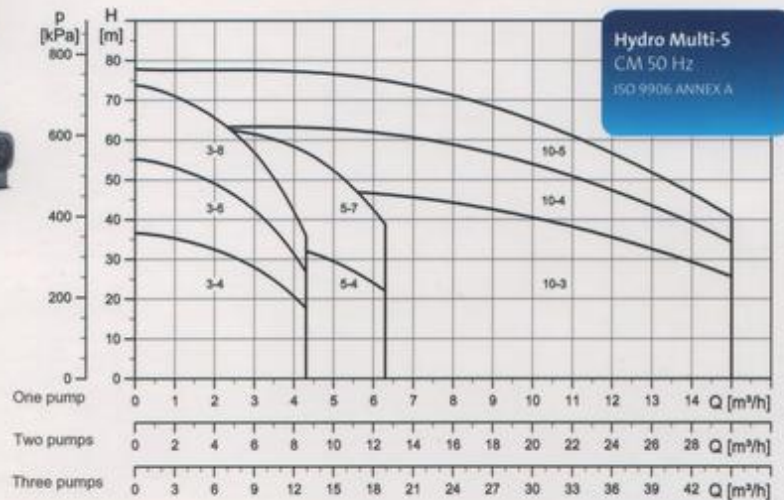
## HYDRO MULTI S - CM

- Fitted with 2 or 3 CM Horizontal Multistage Pumps
- Compact design
- High Reliability
- Low noise



### SYSTEM

Flow rate:	max 43.5m <sup>3</sup> /h
Maximum operating pressure:	10bar
Liquid temperature range:	5-40 °C
Power Supply:	1 x 220-240V 50Hz 3 x 220-240/380-415V 50Hz
Manifolds:	Galvanized-steel
Base frame:	Black painted steel



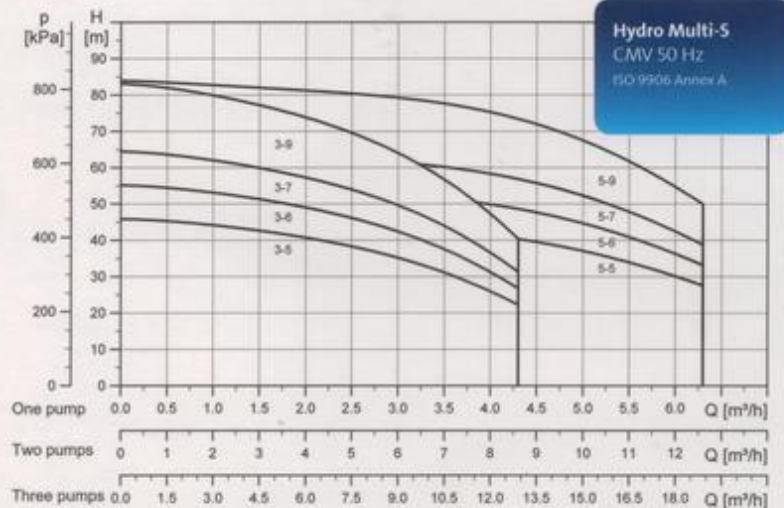
## HYDRO MULTI S - CMV

- Fitted with 2 or 3 CMV Vertical Multistage Pumps
- Compact design
- High Reliability
- Low noise



### SYSTEM

Flow rate:	max 18.6m <sup>3</sup> /h
Maximum operating pressure:	10bar
Liquid temperature range:	5-40 °C
Power Supply:	1 x 220-240V 50Hz 3 x 220-240/380-415V 50Hz
Manifolds:	Galvanized-steel
Base frame:	Black painted steel



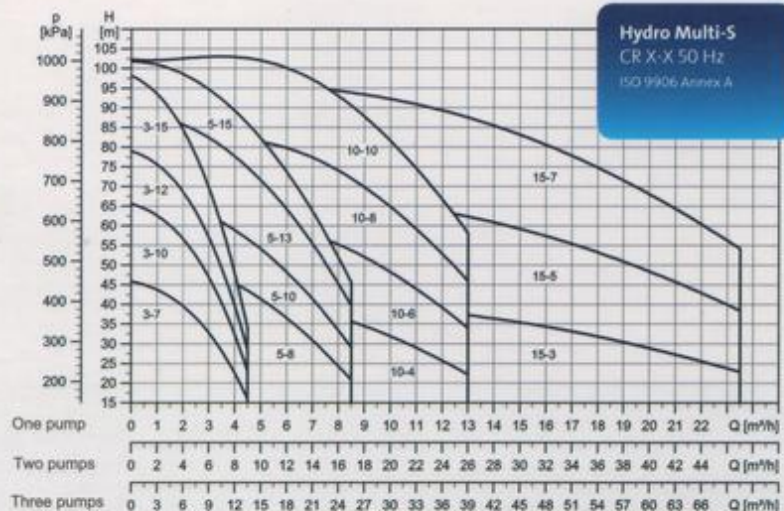
## HYDRO MULTI S - CR

- Fitted with 2 or 3 CR Vertical Multistage Pumps
- Inline design
- High Reliability
- Low noise
- High efficiency
- Service-friendly, Cartridge seal



### SYSTEM

Flow rate:	max 69m <sup>3</sup> /h
Maximum operating pressure:	10/16bar
Liquid temperature range:	5-50 °C
Power Supply:	1 x 220-240V 50Hz 3 x 220-240/380-415V 50Hz
Manifolds:	Galvanized-steel
Base frame:	Black painted steel







## PRODUCT SELECTION GUIDE

### STEP 1

Select if you want a 2 or 3 pump system.

### STEP 2

Select the number of floors in the building (above the pump).  
If pumping from the roof down, use the "Roof Down" selection.

### STEP 3

Select the number of bathrooms in the building.



Number of floors in building	Pumping up into building	Pumping Down from Roof	Number of bathrooms in building				Number of bathrooms in building				Recommended minimum pressure tank size		
			Hydro Multi-S 2 Pump Systems*		Fast Track		Hydro Multi-S 3 Pump Systems*		Fast Track				
			4	6	14	22	8	12	28	44			
		☐	2 x CM3-4	☐				3 x CM3-4	☐				40 L
4			2 x CM3-6	☐				3 x CM3-6	☐				52 L
7			2 x CM3-8	☐				3 x CM3-8	☐				64 L
		☐	2 x CM5-4		☐			3 x CM5-4		☐			64 L
7			2 x CM5-7		☐			3 x CM5-7		☐			96 L
3		☐	2 x CM10-3			☐		3 x CM10-3			☐		164 L
7			2 x CM10-4			☐		3 x CM10-4			☐		202 L
9			2 x CM10-5			☐		3 x CM10-5			☐		239 L
		☐	2 x CMV3-5		☐			3 x CMV3-5		☐			46 L
4			2 x CMV3-6		☐			3 x CMV3-6		☐			52 L
6			2 x CMV3-7		☐			3 x CMV3-7		☐			58 L
9			2 x CMV3-9		☐			3 x CMV3-9		☐			70 L
4		☐	2 x CMV5-5			☐		3 x CMV5-5			☐		75 L
6			2 x CMV5-6			☐		3 x CMV5-6			☐		85 L
8			2 x CMV5-7			☐		3 x CMV5-7			☐		96 L
11			2 x CMV5-9			☐		3 x CMV5-9			☐		116 L
		☐	2 x CR3-7		☐			3 x CR3-7		☐			41 L
5			2 x CR3-10		☐			3 x CR3-10		☐			51 L
7			2 x CR3-12		☐			3 x CR3-12		☐			61 L
10			2 x CR3-15		☐			3 x CR3-15		☐			70 L
5		☐	2 x CR5-8			☐		3 x CR5-8			☐		77 L
8			2 x CR5-10			☐		3 x CR5-10			☐		97 L
12			2 x CR5-13			☐		3 x CR5-13			☐		116 L
14			2 x CR5-15			☐		3 x CR5-15			☐		129 L
		☐	2 x CR10-4				☐	3 x CR10-4				☐	139 L
5			2 x CR10-6				☐	3 x CR10-6				☐	184 L
9			2 x CR10-8				☐	3 x CR10-8				☐	229 L
11			2 x CR10-10				☐	3 x CR10-10				☐	274 L
		☐	2 x CR15-3				☐	3 x CR15-3				☐	213 L
9			2 x CR15-5				☐	3 x CR15-5				☐	304 L
13			2 x CR15-7				☐	3 x CR15-7				☐	396 L

The above selection table is to be used as a guide only. \* Systems sized assuming 1 pump is a standby pump. \*\*Average floor height used for sizing is 4 meters. Average flow per bathroom is assumed at 0.82m<sup>3</sup>/hr. For applications where boosting down from roof top, please utilise "Roof Down" selection. "Grundfos Fast Track", these common models are normally held in stock locally. Contact your local Grundfos sales office for confirmed stock availability. To confirm correct selection for your duty prior to ordering please contact your local sales office or use Grundfos Product Centre. [www.product-selection.grundfos.com](http://www.product-selection.grundfos.com)

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