

APPLICATIONS AND CONSTRUCTION FEATURES

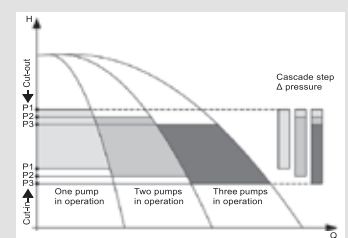
The Grundfos Hydro Multi-S pressure are designed for pressure boosting of clean water. Areas of application are: Blocks, flats, hotels, schools and institutions and commercial buildings. They consist of two or three Grundfos CM, CMW or CR pumps connected in parallel and mounted on a common base frame and a control cabinet with motor-protective circuit breaker and integrated controller. They are supplied complete, pre-assembled and tested and include:

- Suction and discharge manifolds
- Isolating valves and non-return valves
- Pressure gauge and pressure switches.

To ensure reliable operation, the booster system must be fitted with a suitable diaphragm tank. Automatic pump operation is based on a system demand controlled by pressure switches (one for each pump)

SYSTEM OPERATIONS

When a tap is opened, water will be drawn from the diaphragm tank. The pressure will drop to the first cut-in-pressure, and the first pump will cut in. As the consumption rises, more pumps will cut in until the performance of the pumps in operation corresponds to the demand. Then the water consumption force, the discharge will rise to the cut-in pressure and the pressure switch will cut out one pump and as the consumption falls, more pump will be cut out



TECHNICAL DATA

Pump type	U [V]	P2 [kW]	A [mm]	H [mm]	Hydro Multi-S with two pumps					Hydro Multi-S with three pumps								
					Dimensions [mm]					I _{1/1} [A]	[kg]	Dimensions [mm]					I _{1/1} [A]	[kg]
					DN	B1	B2	L1	L2			DN	B1	B2	L1	L2		
CR 3-7	1 x 220	0.55		598					5.66	64					6.93	100		
CR 3-10	1 x 220	0.75		652					7.21	71					8.83	117		
CR 3-12	1 x 220	1.10		754					10.47	76					12.82	117		
CR 3-15	1 x 220	1.10		808					10.47	78					12.82	120		
CR 3-7	3 x 400	0.55		552					2.88	64					4.32	100		
CR 3-10	3 x 400	0.75		652					3.72	71					5.58	110		
CR 3-12	3 x 400	1.10	85	688	620	680	470	410	5.3	76	2"	620	680	720	660	7.95	117	
CR 3-15	3 x 400	1.10		742					5.3	78					7.95	120		
CR 5-8	1 x 220	1.10		754					10.47	76					12.82	117		
CR 5-8	3 x 400	1.10		688					5.3	76					7.95	117		
CR 5-10	3 x 400	1.50		808					6.8	89					10.2	137		
CR 5-13	3 x 400	2.20		929					9.5	96					14.25	147		
CR 5-15	3 x 400	2.20		983					9.5	99					14.25	151		
CR 10-4	3 x 400	1.50		739					6.8	117					10.2	182		
CR 10-6	3 x 400	2.20		839					9.5	125	2 1/2"	714	790		14.25	194		
CR 10-8	3 x 400	3.00		918	692	752			12.8	137					19.2	212		
CR 10-10	3 x 400	4.00		1015			600	510	16	161			920	830	24	248		
CR 15-3	3 x 400	3.00		835					12.8	145					19.2	224		
CR 15-5	3 x 400	4.00	130	962	2 1/2"	759	835		16	171	3"	789	877		24	263		
CR 15-7	3 x 400	5.50		1103					22	219					33	335		

