



Rhino CCU Hydraulic dosing units.

The Rhino CCU hydraulic range is designed for supplying chemicals and water from a central location to the local satellites designed for pre-diluted mixture.

The Rhino CCU hydraulic can make a pre-diluted mixture by injecting the chemicals directly in to the water stream with the dosing pumps.

The dosing system supplies the pre-diluted mixture to the satellites at a pressure of 8 bar.

This unit is equipped with a frequency controlled pump which generates a constant pressure independent from the number of users. Concentration between 0.5 to 5%. Maximum capacity of 7(MAG7) or 20 (MAG20) simultaneous users.

The system is made for one, two or three chemicals.

The units mix the concentrated chemicals with water in a chemical storage room to lower HSE risks and ergonomic issues.

Standard the housing of the hydraulic pumps are made of PTFE for high chemical resistance.

Dry running protection to protect the water booster and signal for low chemical stock is possible.

Custom made automated cleaning equipment.

Besides for pre-diluted cleaning systems, the Rhino CCU is often used for automated cleaning of machinery and production equipment in the food-processing industry. E.g. conveyor belts, tanks and vessel washing, ...

For these applications the CCU is equipped with time controlled solenoid valves.

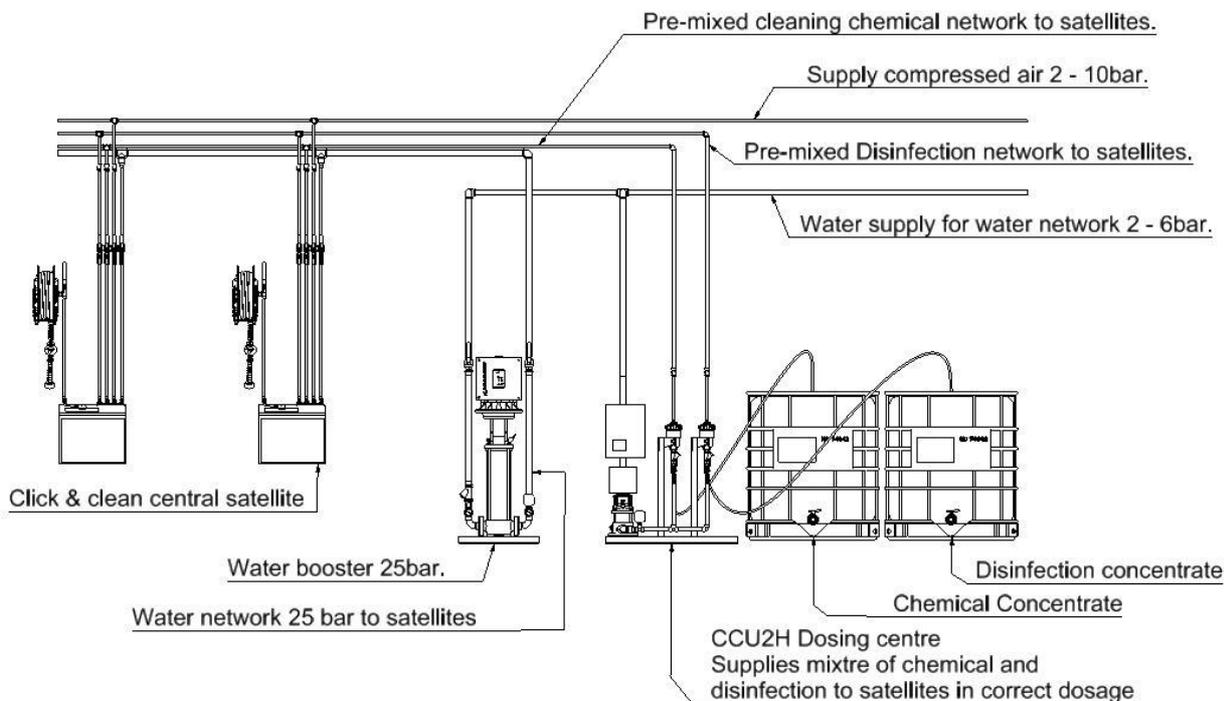


Features RHINO MP CCU Hydraulic:

- Economic solution.
- Low maintenance.
- Precision dosing.
- Big volume.
- Easy to adjust.
- Ensuring no concentrated products in the production area and ensuring a uniform concentration all over.
- Standard Dosing pumps with PFE housing for optimal chemical resistance.
- Standard dry running protection on water supply.
- Optional: signal for dry running chemical.



Mounting example Installation (CCU2H7)



Technical data

Model	CCU1H7	CCU1H20	CCU2H7	CCU2H20	CCU3H7	CCU3H20
Number of premixed products	1	1	2	2	3	3
Simultaneous users	7	12	14	24	21	36
Water inlet	G1 1/4"	G1 1/2"	G1 1/4"	G1 1/2"	G1 1/4"	G1 1/2"
Outlet premix	1 x G3/4"	1 x G1 1/4"	2 x G3/4"	2 x G1 1/4"	3 x G3/4"	3 x G1 1/4"
Pump pressure	7 bar					
Max. pressure	8 bar					
Water supply	60l/min	140l/min	120l/min	280l/min	180l/min	420l/min
Premix outlet	50l/min	120l/min	100l/min	240l/min	150l/min	360l/min
Max. water temp.	40°C	40°C	40°C	40°C	40°C	40°C
Supply voltage	3x400V	3x400V	3x400V	3x400V	3x400V	3x400V
IP class	IP55	IP55	IP55	IP55	IP55	IP55
Materials pump/skid and pipework	Stainless steel					
Material housing dosing pump	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE

Standard Models

Model	Description	Reference
Rhino CCU hydraulic 1-7	1 chemical dosing pump -1 - 7 users	100.CCU.1H7
Rhino CCU hydraulic 2-7	2 chemical dosing pumps -1 - 7 users	100.CCU.2H7
Rhino CCU hydraulic 1-20	1 chemical dosing pump -1 - 20 users	100.CCU.1H20
Rhino CCU hydraulic 2-20	2 chemical dosing pumps -1 - 20 users	100.CCU.2H20
Rhino CCU hydraulic 3-20	3 chemical dosing pumps -1 - 20 users	100.CCU.3H20