

# CRYSTAL RIGHT 100

For removing manganese, iron and ammonia. Raising pH and softening.



## ADVANTAGES

- Removes at the same time manganese, iron and hardness by ion exchange
- Removes manganese, difficult to remove by classic oxidation
- Absorption of NH<sub>3</sub> thanks to the chlorinator
- Increases the pH (absorption H<sup>+</sup>)
- Excellent filtration of non-dissolved particles
- A regeneration needs 30% less NaCl than when using classic softeners resins
- Chlorine has no negative impact on Crystal Right and is strongly advised when regenerating to counterattack the proliferation of bacteria.
- No specific requirements for pumps as the backwash flow is lower than the service flow
- Delivered in convenient bags of 22,7kg (28,3L)
- When used appropriately, Crystal Right has a lifetime of 20 year

## CONDITIONS FOR OPERATION

- Must have a hardness of 51ppm / 5.1°F / 2,87°dH
- At least 6.3 pH
- Minimum TDS 80 ppm
- Iron needs to be Fe<sup>2+</sup> = ferrous iron (solved and clear water)
- Max. Σ (Mn;Fe) = 15ppm
- Max. H<sub>2</sub>S = 0.5 ppm
- Water needs to be tested on site/at the well! (pH and iron)
- Ideal backwash flow for CR100 = 20m/h

## PHYSICAL PROPERTIES

Particle size	0,3 - 2,36mm
Water retention	50%
pH Range	6,3 - 11
Approximate Shipping Weight	801g/l
Standard Packaging	1 Cu. Ft. Bag / 28,3L, 22,7kg
Physical Appearance	Grey / white crystal
Backwash Flow Rate	20 m/h

CRYSTAL  RIGHT™

**SUKO**  
Pollet Water Group

SUKO (Exclusive distributor for Europe, Middle East & Africa)

Lozenhoekstraat 150  
3140 Keerbergen  
Belgium

T: +32 15 23 65 14  
E: info@suko.be  
W: www.suko.be

polletwatergroup.com  
Join us on our mission. Make water count.



# CRYSTAL RIGHT 100

Opposite to zeolites (aluminium silicate crystals) that can be found in nature, Crystal Right is a synthetic zeolite without impurities and with predefined grain sizes developed for the treatment of well water.

Thanks to its unique crystal structure Crystal-Right allows at the same time to remove hardness, iron and manganese and increases the pH.

Suko is the exclusive distributor of Crystal Right in Europe.

**SMART**  
a single media that removes manganese & iron, softens the water and corrects mildly acidic low pH

**INNOVATIVE**  
Custom engineered for use in a variety of industries

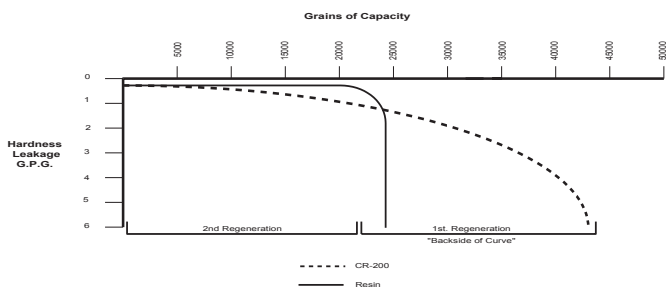
**EFFICIENT**  
There is no need for additional filtration, and less water is used

**CLEANER**  
Can be disinfected without harming the media

## RESIN VS CRYSTAL RIGHT

Resin will work until the capacity is used and immediately needs to regenerate

CR will stay working even when the capacity reduces. It only requires an extra regeneration after the 10th regeneration to get back to full capacity.



## SPECIFICATIONS

Reference	5301021559
Search name	MR 1 ZEOLITE (CFT)
Item name	Crystal-Right Medium CR100 (CFT)
Packaging	1 cuft
Service flow	between 20 and 40 m/h (When ammonia needs to be removed maximum 10 m/h)
Density	CR100 > CR200