

# AUTOMATIC WATER SOFTENERS



## HAARIS 01 - 10

When hard water is used in commercial, industrial or residential applications, problems will be encountered with scale and scum, both with costly consequences. Scale which forms on heating elements and in pipes will lead to unnecessary and wasteful fuel usage; one eighth of an inch of scale on a heating element will result in 35% more energy consumption. When scum is formed it will cause staining and spotting on the surface of glass, metals and bottles as well as clogging of woolen fibres. FAIZ ENTERPRISES provides the solution to these problems, offering softened water by models HAARIS-01 to HAARIS-10 at flows ranging from 2m<sup>3</sup>/hr to 27m<sup>3</sup>/hr.

## FEATURES

- ◆ Imported components with local technology and know-how.
- ◆ Completely packaged for ease of installation.
- ◆ Constructed from all corrosion resistant materials throughout to ensure long life & non-contamination.
- ◆ Regeneration based on Timer or Volume Control for salt and water savings.
- ◆ Minimum working pressure 1.7 bar & maximum 7.5 bar.
- ◆ Maximum softened water flows from 2m<sup>3</sup>/hr to 60m<sup>3</sup>/hr.

## MODE OF OPERATION

- ◆ Simplex/Duplex Time Clock (Semi Automatic)
- ◆ Simplex/Duplex Time Clock (Fully Automatic)
- ◆ Simplex/Duplex Volumetric Basis (Fully Automatic)

## SPECIFICATIONS

- Seamless pressure vessel constructed from fibreglass reinforced plastic with supporting skirt.
- Regeneration controlled through a five cycle mechanically operated control valve complete with electrical timing, an integral injector, backwash and rinse flow control.
- One charge of strong cation sodium form, high capacity polystyrene bead type water softening material.
- One plastic storage tank for salt storage and make up of brine. Complete with brine well, air check valve, suction line.
- HAARIS models are supplied complete with one hardness test set and one set of instructions for installation, operation and maintenance of the water softener.

## LIMIT OF SUPPLY

- The supply of "HAARIS" water softeners is limited to the above specification.
- Optional extras are shown on the following list and details of installation, together with pipework and equipment to be supplied by the customer or as agreed but on extra charges.

## OPTIONAL EXTRAS

- Installation kit/valve pack.
- Service/Standby operation kit.
- Integrating water meters to measure water usage.
- Break tank kits where necessary to comply with local regulations or where water pressures are too low.
- Solenoid valve and microswitch kit to prevent automatic by-pass during regeneration.
- Resin cleaning compound to keep it at optimum efficiency.



MODEL	Max Flow rate M <sup>3</sup> /hr	Salt used per Regs. Kgs	Salt Tank Capacity Litres	Capacity GDS Hardness
HAARIS - 01 S	2	3.3	150	1.4
HAARIS - 02 S	3.4	8.6 - 9.6	150	3.6-4.8
HAARIS - 03 S	5-5.7	12 - 13.2	300	5-5.5
HAARIS - 04 S	6-6.5	16.8	300	7
HAARIS - 05 S	9-14	24-27.6	300	10-11.5
HAARIS - 06 S	15-20	36-42	500	15-17.5
HAARIS - 07 S	15-21	60-66	1000	25-27.5
HAARIS - 08 S	30	182	1500	42.5
HAARIS - 09 S	35-40	158	1500	57.5
HAARIS - 10 S	50-60	224	2000	90



# FAIZ ENTERPRISES

YOUR WATER TREATMENT CONSULTANTS

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