

# ADD

## Feed water treatment unit for steam boilers



Automatic system for the treatment of steam boiler make-up water, designed to prevent scale deposits and corrosion caused by dissolved gases. The treatment includes a softening process by means of ion-exchange resins and the chemical elimination of oxygen by dosing a conditioning product. All materials are non-toxic and suitable for contact with drinkable water. The softener automatic control system uses the pulsed output from the flow meter to determine the required operations as per the following logic. The regeneration is started when reaching a certain set volume of supplied water. During the regeneration phase, untreated water does not pass forwards to the system.

### Standard equipment

- Gruppo di addolcimento ADD composto da:
- Resin filter
- Resin chamber in plastic reinforced by fibreglass complete with ion-exchange resin beads, head with diaphragm valves and electronic programming (2 columns for the ADD D version)
- Brine tank of suitable capacity
- Meter with pulse output head

### SELECTION TABLE

Selection table	Operation 8÷12 hours a day					
	Hardness ≤ 30 °F			Hardness 30÷ 50 °F		
Boiler capacity	Condensate return			Condensate return		
kg/h	30%	50%	80%	30%	50%	80%
100÷1020	D	C	A	E	D	C
1370÷2040	F	E	B	H	F	D
2560÷3000	G	F	D	I	H	E
3400÷5100	I	H	E	J	J	F
6000÷6820	J	I	F	K	J	H
8500÷10240	K	J	G	L	K	I

## SELECTION TABLE

Selection table	Operation 8:12 hours a day					
	Hardness ≤ 30 °F			Hardness 30: 50 °F		
Boiler capacity	Condensate return			Condensate return		
kg/h	30%	50%	80%	30%	50%	80%
100÷1020	D	C	A	E	D	C
1370÷2040	F	E	B	H	F	D
2560÷3000	G	F	D	I	H	E
3400÷5100	I	H	E	J	J	F
6000÷6820	J	I	F	K	J	H
8500÷10240	K	J	G	L	K	I

## TABLE FOR MATCHING SOFTENERS AND DS DOSING STATIONS

Selection of ADD	Model	Code
A ÷ F =	DS 1	ADDNV0001
G =	DS 2	ADDNV0003
H ÷ J =	DS 3	ADDNV0004
K ÷ L =	DS 4	ADDNV0005

DS dosing station composed of:

Electronic dosing pump

Product storage tank of adequate capacity

Meter with pulse output head

Magnetic level switch for pump stop at empty tank

25 kg non-volatile de-oxygenating product pack