



**TECHNOGREEN GROUP**  
**Modern irrigation**  
**2021**



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# CONTROL AREA SYSTEMS

## First- FILTRATION SYSTEM

### 1-SAND MEDIA FILTERS



48"

80-100 m<sup>3</sup>/h



36"

42-62 m<sup>3</sup>/h



20"

10-15 m<sup>3</sup>/h



48"

72-100 m<sup>3</sup>/h



36"

42-62 m<sup>3</sup>/h

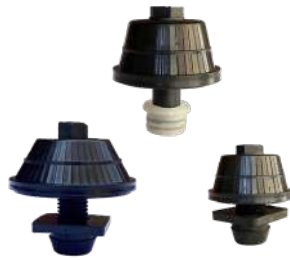


20"

12-18 m<sup>3</sup>/h



25Kg bags of  
crushed basalt



Mushroom  
threaded - barbed  
with rubber



48"

52-80 m<sup>3</sup>/h



36"

28-45 m<sup>3</sup>/h



20"

8-14 m<sup>3</sup>/h

### 2-DISC FILTERS



3"- 4"Double short  
filters  
50-75 m<sup>3</sup>/h



3"-single long  
filter  
45 m<sup>3</sup>/h



2"filter  
25 m<sup>3</sup>/h



Small Filters  
3/4"-1"-1.5"-2"  
5-6-20-25 m<sup>3</sup>/h



Filtration  
elements  
2"-3"-4"





3"- 4" steel filters  
80-100 m3/h



Filtration  
elements  
2"-3"-4"



2"filter  
25 m3/h



3"filter  
50 m3/h



6"filter  
160 m3/h



4"filter  
100 m3/h



3"filter  
40 m3/h



4"filter  
60 m3/h



2"filter  
25 m3/h



Filtration elements

### 3-AUTOATIC AND SCREEN FILTERS



Automatic  
Disc Filter 3"  
35 m3/h  
11 m3/h for flushing



Automatic Screen Filter  
Hydraulic / Electric 2"-3"-4"  
25-50-100 m3/h  
15-20-22 m3/h for flushing 16 sec



Automatic Screen Filter  
Hydraulic / Electric 4"-5"-6"-8"  
100-120-160-200 m3/h  
30 m3/h for flushing 30 sec



4"-6" filter wz scanner  
or brush  
100-160 m<sup>3</sup>/h



Screen Filter 4"-6"-8"-10"  
100-250-350-500-650 m<sup>3</sup>/h



Screen Filter 4"  
100 m<sup>3</sup>/h



Screen Filter 3"  
80 m<sup>3</sup>/h



Pressure Sustaining  
valve 1.5" - 12"



Hydrocyclone  
2-3-4-5-6-8 "  
14-33-59-93-135-235 m<sup>3</sup>/h



6"-8" Screen filter wz  
scanner or brush  
160-300 m<sup>3</sup>/h

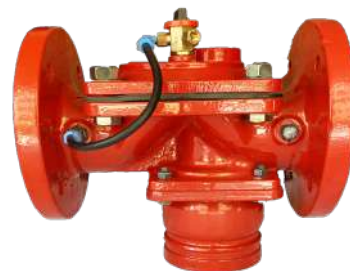
## 4-FILTER BACK WASH VALVES



Armas  
2"x 2"x 2"  
3"x 2"x 3"  
4"x 3"x 4"



Dorot  
2"x 2"x 2"  
3"x 2"x 3"  
4"x 3"x 4"



# 5-CONTROLLER FOR FILTER BACK WASH VALVES

## AC CONTROLLERS



**Talgil  
staion 2-4-6  
controller**



**Galcon  
4staion  
controller**



**Galcon  
staion 9-12  
controller**



**Talgil  
up to  
30staion  
controller**



**Talgil  
12staion  
controller**



**Galcon  
4staion  
controller**



**Baccara  
3station  
controller**



**Talgil  
3staion  
controller**



**Differential  
pressure  
gauge**



**Talgil  
staion 2-4-6-8-10  
controller**



**Bermad**



**Baccara**



**Ac or Dc  
solenoids**



**Baccara**



**Bermad**

## Command Pipes fittings



**8mm \*1/8 or 1/4\* 8mm Elbow**



**8 -1/8 or 1/4  
Male adapter**



**8mm\*1/8 or 1/4\*8mm Tee**



**8 mm  
Command pipe**

**chargare  
220 Ac / 12 Dc**





## Second-FERTIGATION SYSTEM

### 1-PISTON PUMPS



Dosatron  
300L/h D3GL10



Indian/ Turkish venturi  
4/3"-1"-1.5"-2"



Netafim venturi  
4/3"-2"



Mazzei venturi  
4/3"-1"-1.5"-2"

### 3-INTEGRATED AUTOMATIC INJECTION SYSTEM



It controls the irrigation valves and the filters washing cycle with automatic addition of fertilizers ( acid with fertilizer up to five solutions)  
Ec+ PH + Co2

## Third- SUCTION AND PUMPING SYSTEMS

### A- SUCTION LINE



Strainer  
2"-16"



Autoflushing Foot valve  
with 500micron screen  
6"-8"-10"-12"  
180-315-495-710 m3/h

## B- PUMPING LINE

### 1-SPECIAL VALVES



Flow control  
valve  
2" up to 12"



surge anticipating  
valve  
2" up to 12"



centrifugal pump  
control valve  
4" up to 12"



Deep well pump  
control valve  
4" up to 12"

### 2-PRESSURE RELIEF VALVES



Metal pressure relife  
valve brass pilot  
2" up to 12"



Metal pressure relife  
valve brass pilot  
2" up to 3"



Metal pressure relife  
valve plastic pilot  
2" up to 3"



Plastic pressure relife  
valve plastic pilot  
1.5" up to 4"

### 3-AUTOMATIC AIR VALVES



ARMAS  
2" up to 8"



ARMAS  
3" up to 12"



2" ARMAS



1" ARMAS

## 4-MEASURING DEVICES



Dorot multi and  
single jet water meters  
1/2" up to 2"



Irrigation water meter  
2" up to 12"



Dorot Irrigation water  
2" up to 12" meter



Turkish Turbo  
up 8" water meter



1/4" Brass carrot



1/4" 65mm Stainless steel  
Pressure gauge glycerin  
from zero bars to 6 or 10

110mm 3/8"  
Pressure gauge  
from zero bars to 2.5



Plastic Needle 1/4"

## 6-NON-RETURN VALVES



Non return  
Valves  
swing type  
2" up to "8  
PN 16-10



Non return  
Valves  
split disk type  
1.5" up to "20  
PN 16-10

## 5-BUTTERFLY VALVES



Butterfly Valves  
wafer/Lug  
with hand or Gear box  
1.5" up to "16



## 8-BALL VALVES



polypropylene  
indian ball valve  
Anti chemicals  
PN 10-6  
2"-3"



Metal ball valve  
PN 16-10-6  
1.5"-6"

## 7-GATE VALVES



Gate valve  
PN 16-10  
2" UP TO 12"

## 9-SALINE TREATMENT DEVICES

### MAGNOLITH



- 1-To treat the harmful effect of well water salinity
- 2-To treat the impact of harmful substances in wastewater or sewage
- 3-To treat the impact of harmful soil salinity
- 4-To treat the harmful effect of iron deposition in the irrigation network and to avoid blockage of drippers and to dispense with sedimentation and oxidation basins

The device is a summary of the miraculous German experience and the sure impressive results with five years back guarantee