



天渠灌溉

Together with our partners,
we will revolutionize irrigation
globally for a sustainable future.



企业简介

■山东天渠灌溉设备有限公司是一家专业的现代化节水灌溉设备、净水设备制造商,目前我们设计制造的产品广泛应用于农业灌溉、园林灌溉、草坪灌溉、温室大棚灌溉;工业除尘、畜牧业降温以及灌溉水处理、污水处理等领域。

■打造真正实效的智慧农业装备一站式服务体系。从涵盖“滴灌、微喷、喷灌等灌水器,过滤施肥设备、管材管件、人造雾设备、纯水处理设备、农抬头智慧农业云平台”等全系列高品质产品的研发、生产、销售,到项目规划设计、施工维护等整体解决方案。

■以专业团队的百分百专注,为广大客户提供高品质的产品与服务是我们不懈的追求;我们期待与您建立稳定的合作关系!

■相信中国!相信中国制造!让我们携手共创辉煌!

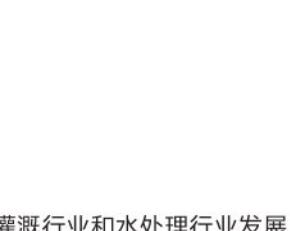
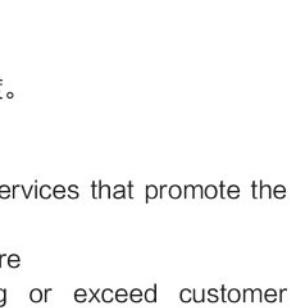
Enterprise brief introduction

■Shandong Tianqu irrigation equipment co.Ltd is a professional manufacturer in producing irrigation equipments, in terms of agriculture, garden,lawn and greenhouse, which also focusrs on offering equipments for mining dust solution,water treatment,etc.

■Create a truly effective one-stop service system for smart agricultural equipment.Filtering fertilizing equipment and pipes from emitters covered by drip irrigation, micro-spraying, sprinkler irrigation, etc.Pipe fittings, artificial fog equipment, pure water treatment equipment, agricultural head-up wisdom agricultural cloud platform, etc.R&D, production and sales of a full range of high-quality products, project planning, design and construction. Maintenance and other overall solutions.

■Our designing and developing departments may process products based on your requirement. We sincerely expect to form more and friendly cooperation ship with our clients all over the world.

■Trust China, trust Chinese suppliers, we are ready here to do the best services for you!

<p>滴灌系列 Drip irrigation</p>	<p>01-02</p>	
<p>微喷系列 Micro irrigation</p>	<p>03-08</p>	
<p>园林喷头系列 Garden sprinkler</p>	<p>09-13</p>	
<p>管材管件系列 Pipe fittings</p>	<p>14</p>	
<p>过滤器系列 Filter</p>	<p>15-18</p>	
<p>施肥器系列 Fertilizer</p>	<p>19-30</p>	
	<p>31-34</p>	

企业愿景

以给客户提供高品质、高性价比的促进现代化智能灌溉行业和水处理行业发展的产品和服务为盈利基础，

创造一个可持续发展的未来。

通过达到或者超过客户的期望值来实现客户的满意度。

Enterprise vision

Profitably providing high value products and services that promote the smart irrigation and water

solution applications, support a sustainable future

Achieving customer satisfaction by meeting or exceed customer expectations



滴灌是目前最有效的精准灌方式,可结合水溶性肥料实现水肥一体化,具有省工、省肥、省水、增收的高效率高收益,特别适用于规模化种植。

行植作物宜选用D100系列滴灌管或D200系列滴灌带,或在PE管上靠近作物根部位置安装D800系列管上式滴头。盆栽作物宜选用D900系列滴箭头。

Drip irrigation is currently the most effective precision irrigation method, which can be combined with water-soluble fertilizer to achieve water and fertilizer. It has high efficiency and high profitability, which is labor-saving, fertilizer-saving, water-saving and income-increasing. It is especially suitable for regulations.

Molded planting. Plants should be selected from D100 series drip irrigation tubes or D200series drip irrigation belts, or on PE tubes. Install the D800 Series Tube Top Drips near the root of the crop. Potted crops should use D900 series Column drop arrows.

D100|内镶圆柱滴灌管

Cylindrical dripline



D100常规规格参数表

D100 Drip irrigation belt specification table

货号 Item number	直径 diameter (mm)	壁厚 Wall thickness (mm)	滴头流量 Drip flow (L/h)	滴头间距 Drip spacing (cm)	单卷长度 Single roll length (m)	过滤精度要求 Filter fine Degree requirement (mesh)
D110	16	0.6	2L,4L	20、30 40、50	500	120
D120		0.8				
D130		1				

The patch drip irrigation belt has a conventional diameter (16mm), and the dripper flow rate is 1.38, 20, 2.7, 4.0 Lh. according to for practical needs such as crop spacing, can customize the drip irrigation belt with special dripper spacing and special wall thickness.



D200|内镶式滴灌带

inlaid drip tape



贴片式滴灌带常规直径(16mm),滴头流量有1.38、20、2.7、4.0Lh四种。根据作物株距等实际需求,可为客户定制相适应的滴头间距及特殊壁厚的滴灌带。

D200滴灌带常规规格参数表 D200 Drip irrigation belt specification table

货号 Item number	直径 diameter (mm)	壁厚 Wall thickness (mm)	滴头间距 Drip spacing (cm)	单卷长度 Single roll length (m)	过滤精度要求 Filter fine Degree requirement (mesh)
D210	16	0.2	10、15、20、25、30、40、50	2000	120
D220		0.3		1500	
D230		0.4		1000	

D300|侧翼迷宫滴灌带

wing labyrinth drip tape



滴头间距30cm、流量2.8L/h。

经济实用,特长迷宫流道,均匀性好。

特殊多层交错共挤生产工艺,内壁全新料、确保粘合紧密,避免同类产品因回收料中的杂质导致应力集中而爆破。

Dripper spacing 30cm, flow 2.8L/h.

Economical and practical, special labyrinth flow path, good uniformity.

Special multi-layer interlaced co-extrusion production process, new material on the inner wall, ensuring bonding close, avoiding similar products blasting due to stress concentration caused by impurities in the recycled materials.

货号 Item number	流量 flow (L/h)	直径 diameter (mm)	壁厚 Wall thickness (mm)	间距 spacing (cm)	单卷长度 Single roll length (m)	过滤精度要求 Filter fine Degree requirement (mesh)
D310	2.8	16	0.2	10	2000	120
D320			0.2	20	2000	

D400 | 滴灌管管件系列

Drip irrigation pipe fittings

优质模具钢材和特殊结构设计,确保倒刺极端锋利,与管道连接密封、牢固。

High-quality mold steel and special structural design ensure that the barb is extremely sharp and tightly connected to the pipe.

■ $\Phi 16 \Phi 20 \Phi 25$ 承插系列接头



D410承插式旁通



D420承插式弯头



D430承插式直通



D440承插式正三通



D450承插式堵头



D460螺纹接头



D470八字形堵头



D480 工字型橡胶圈
用于旁通与PVC等硬质
管道连接,起密封作用

D500 | $\Phi 16$ 滴灌带拉环式管件系列

$\Phi 16$ Drip irrigation with pull-type fittings



D510 $\Phi 16$ 拉环旁通



D520 $\Phi 16$ 拉环直通



D530 $\Phi 16$ 拉环堵头



D540 $\Phi 16$ 软带拉环三通

D600 | 滴灌带螺母锁扣系列

Drip irrigation with locking collar



D610 锁母直接



D620 反锁母旁通



D630 软带旁通



D640 软带三通



D650 按扣三通



D660 锁母正三通



D670 反锁母定位旁通



D680 锁母堵头

D700 | 滴灌阀门系列
Drip irrigation valve

产品名称 product name	图片 image	货号 Item number	尺寸 size	产品名称 product name	图片 image	货号 Item number	尺寸 size
锁母旁 通阀		D711	16	承插直 通阀		D761	16
		D712	16			D762	20
反锁母定 位旁通阀		D721	16	外螺纹承 插阀门		D763	25
		D722	16			D764	16
锁母阳 直阀		D731	1/2" *16	外螺纹承 插阀门		D765	20
		D732	3/4" *16			D766	25
		D733	1/2" *16			D770	1/2" *16
		D734	3/4" *16			D771	3/4" *16
双锁母 直通阀		D741	16	承插旁通 阀门		D772	1/2" *20
						D773	
软带旁 通阀		D751	16	承插旁通 阀门		D774	3/4" *25
		D752	16			D775	1/2" *16
						D776	3/4" *16
						D777	1/2" *20
						D778	3/4" *20
						D779	3/4" *25
						D781	16
						D782	20
						D783	25
						D784	16
						D785	20
						D786	25

备注：研发中心具有强大的新产品研制造能力，适时推出新品，也可按需定制。

Remarks: Customized as requirements has strong new product development capabilities, timely launch of new products, and can be customized as needed.

D800 | 滴头系列
Dripper

■ D810 压力补偿滴头 Pressure compensation dripper

滴头系列通常内设迷宫流道,部分可拆卸;可单独安装在PE管上,根据植株距离灵活定位,也可与滴箭、小管出流等配合使用;流量4L/h、8L/h。

The dripper series usually has a labyrinth flow channel inside, which is partially detachable; it can be separately installed on the PE pipe, and can be flexibly positioned according to the distance of the plant, and can also be used together with the drop arrow and the small tube outflow; The flow rate is 4L/h, 8L/h.

性能特点:

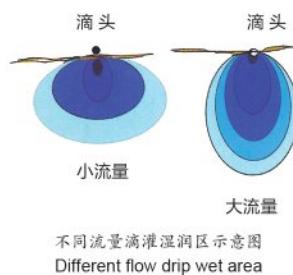
- 1、防倒吸功能,双向防堵塞。
- 2、适用于各种地形、各种果树。
- 3、工作压力:50~400KPa;

Performance characteristics:

- 1.anti-back suction function, two-way anti-clogging.
- 2.suitable for all kinds of terrain, all kinds of fruit trees.
- 3.Working pressure: 50~400KPa;



■ D820 稳流器 Current regulator



■ D830 流量可调滴头 Flow adjustable dripper



■ D840 插尖滴头 Multi-Stream Dripper Stake



该灌水器具有灌溉精准、灌水量及覆盖范围可调(也可以完全关闭)、水形(全圆、半圆、伞状、旋流)可依据地形及风力等因素选择,抗堵塞性能优异、可以结合施肥实现水肥一体化等优点。工作压力1.0~2.5bar,覆盖半径0.5~1m,流量0L/h~45L/h。此外,该灌水器还非常适合于盆栽植物的灌溉。

The irrigation equipment precision irrigation, irrigation water and the range of adjustable (can also be fully closed), water (whole round, semicircle, umbrella, vortex) can choose according to the factors such as topography and wind, anti-clogging performance, can be combined with fertilization cucumber, etc. Work pressure, 1.0 - 2.5 bar, covering radius of 0.5-1 m, the flow is 0 L/h - 45 L/h . In addition, the water, which is very suitable for irrigation of potted plants.



D900 | 滴箭系列

Labyrinth Stake Elbow

■ D910 滴箭 D910 Labyrinth Stake Elbow

滴箭是滴灌中常用的一种灌水器,具有灌溉精准、出水均匀等优点,是盆花、盆栽植物、苗木及立体绿化等作物灌溉最合适的灌水器。有弯箭和直箭,可单箭、双箭、四箭、八箭等随意组合,施工方便。箭头部分长约10cm左右,用于插入土壤或栽培基质中固定导流;柄部长约5cm,设有精细迷宫流道,插入内径3mm左右的软管中。

工作水压100KPa时,单箭流量为1.0L/h左右。

Labyrinth Stake Elbow is a kind of irrigator commonly used in drip irrigation, with precise irrigation, uniform water discharge, etc. The advantage is that the most suitable irrigation for potted plants, potted plants, seedlings and three-dimensional greening water. There are curved arrows and straight arrows, which can be combined with single arrow, double arrow, four arrows, eight arrows, etc. Convenient work. The arrow section is about 10 cm long and is used for insertion into the soil or in the cultivation substrate. Flow handle is about 5cm, with a fine labyrinth flow channel, inserted into a hose with an inner diameter of about 3mm. In the addition of a precision filter to the

When the working water pressure is 100KPa, the flow rate of single arrow is about 1.0L/h.



滴箭柄部放大图
Labyrinth Stake Elbow handle
enlarged view

精密的多孔过滤网
终极防护,超强抗堵
Precision porous filter ultimate protection, super anti-blocking
精细迷宫流道、
压力补偿功能、
灌水均匀性高
Fine labyrinth flow path, pressure compensation high repayment function and uniform irrigation



D920 单倒勾



D921 D922 双倒勾



D923 移动倒勾



D924 一出二分配器



D925 一出四分配器



D926 一出四分体分水器



D910 1.5L弯箭



D911 2L弯箭



D912 大流量滴箭



D913 单箭



D914 双箭



D915 四箭

M100-M670 | 吊挂系列

Suspension

M100 双倒钩

M100 pairs of overhead kick

Φ5mm, 用于固定末端管道和毛管间的连接, 固定性好, 不漏水。

Φ 5 mm, for fixed level at the end of the pipe and connection between capillary, regular sex good, no leaking.

产品图片 Product Image					
名称 Name	双倒勾接头	公母倒勾接头	小卡扣快接	长丝螺纹接头	外牙接头
货号 No.	M110	M111	M112	M113	M114

M200 4×7mm毛管

M200 4×7mm capillary tube

用于连接支管与喷头, 长度可根据需要定制, 常规为40cm。另有特别的白色毛管, 避免高温烈日时吸热导致水温过高灼伤作物。

Used to connect branch pipe and the nozzle, the length can be according to the need to customize, regular to 40 cm. Another special white capillary, avoid high temperature caused by high temperature when the sun heat burns crops.

产品图片
Product Image



货号 No.

M210

规格 specification

4×7mm
×200m/卷

M300 平衡器(重锤)

M300 balancer (heavy hammer)

保持平衡, 使毛管垂直向下。

Maintain balance so that the capillary is vertical down.

产品图片
Product Image



货号 No.

M310

规格 specification

Φ20*100mm

Φ30*65mm

M400 防滴阀

M400 anti-drip valve

弹性隔膜, 当压力下降到一定值时自动关断水流, 避免停喷后滴漏伤苗。

Elastic diaphragm, when the pressure decreases to a certain value automatically shut off the water, avoid drip injury seedlings after stopping injection.

产品图片
Product Image



名称 Name

单倒勾

山子架

小体防滴器

大体防滴器

货号 No.

M410

M411

M412

M413

M414

M415

M416

M417

M418

规格 specification

Φ6

Φ7.5

Φ6

Φ7.5

Φ6

Φ7.5

Φ6

Φ7.5

Φ6内径

▲ M510/M520/M530/M540/M550/M560/M570/M580/M590

M610/M620/M630/M640/M650/M660/M670

■ M510 夹持外框旋转喷头®



水压 Water Pressure		200Kpa	
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius
M511		75L/h	4.2m
M512		102L/h	4.5m
M513		132L/h	4.7m
M514		174L/h	5m
M515		202L/h	5.5m



特点：无死角喷洒均匀不滴水，双层流道，发明专利产品。Features: no dead angle spray even without dripping, double channel, patented products.

■ M520 无死角小旋轮外框旋转喷头™



水压 Water Pressure		200Kpa	
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius
M521		51L/h	
M522		75L/h	
M523		102L/h	倒挂
M524		132L/h	地插
M525		174L/h	2.8—3.2m
M526		202L/h	3.5—4.5m



特点：无死角喷洒均匀不滴水，是G型喷头完美替代产品。Features: no dead angle spray even without dripping, is a perfect substitute for G-type nozzle.

■ M530 无死角大旋轮外框旋转喷头™



水压 Water Pressure		200Kpa	
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius
M531		51L/h	
M532		75L/h	
M533		102L/h	倒挂
M534		132L/h	4.5—6m
M535		174L/h	
M536		202L/h	



■ M540 微波喷头



货号No.	M541蓝色喷嘴 (吊挂)	M542黄色喷嘴 (地插)		
水压Water Pressure	流量Flow	半径Radius	流量Flow	半径Radius
200Kpa	40L/h	2.5m	40L/h	2.5m



特点：全圆无死角，射程远、雾化效果好。Features: There is no dead angle in the whole circle, and the range is long and the atomization effect is good.

■ M550 宾耐特



货号No.	M551蓝色喷嘴		M552绿色喷嘴		M553红色喷嘴	
水压Water Pressure	流量Flow	半径Radius	流量Flow	半径Radius	流量Flow	半径Radius
200Kpa	64L/h	3.3m	115L/h	3.5m	170L/h	3.7m
250Kpa	75L/h	3.5m	130L/h	3.7m	190L/h	4m
300Kpa	82L/h	3.6m	146L/h	4m	210L/h	4.4m



注:倒挂时喷头离地1.8米,室外无风条件下测试。为达到较理想的喷洒均匀度,建议在200Kpa以上水压使用。

Note: When the nozzle is upside down, the nozzle is 1.8 meters away from the ground and tested under outdoor windless conditions. In order to achieve better spray uniformity, it is recommended to use water pressure above 200Kpa.

■ M560 241T 喷头



水压 Water Pressure		200Kpa		
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius	
M561	■■■■■	39L/h	倒挂 2.8—3.2m	地插 3.5—4.5m
M562	■■■■■	51L/h		
M563	■■■■■	75L/h		
M564	■■■■■	102L/h		
M565	■■■■■	132L/h		
M566	■■■■■	174L/h		
M567	■■■■■	202L/h		



■ M570 方框旋转喷头



水压 Water Pressure		200Kpa		
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius	
M571	■■■■■	39L/h	倒挂 3—5.5m	地插 2.5—4.5m
M572	■■■■■	51L/h		
M573	■■■■■	75L/h		
M574	■■■■■	102L/h		
M575	■■■■■	132L/h		
M576	■■■■■	174L/h		
M577	■■■■■	202L/h		



■ M580方框折射喷头



水压 Water Pressure		200Kpa		
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius	
M581	■■■■■	39L/h	倒挂 1—1.5m	地插 0.9—1.3m
M582	■■■■■	51L/h		
M583	■■■■■	75L/h		
M584	■■■■■	102L/h		
M585	■■■■■	132L/h		
M586	■■■■■	174L/h		



■ M590 G行小转轮喷头



水压 Water Pressure		200Kpa		
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius	
M591	■■■■■	60L/h	倒挂 1—1.5m	地插 0.9—1.3m



■ M610 G形折射喷头



水压 Water Pressure		200Kpa		
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius	
M611	■■■■■	60L/h	1.6m	



■ M620 宾耐特四出口雾化喷头



水压 Water Pressure	200Kpa		
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius
M621	—	30L/h	1.5m
M622	—	20L/h	1m



■ M630 小体无五出口雾化喷头



水压 Water Pressure	200Kpa		
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius
M631	—	40L/h	1.5m



■ M640 四出口雾化喷头



水压 Water Pressure	200Kpa		
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius
M641	—	30L/h	1.5m



■ M650 单出口雾化喷头



水压 Water Pressure	200Kpa		
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius
M651	—	8.75L/h	0.9m

注：半径为喷头横向安装，向前喷雾的距离。



■ M660 螺口折射喷头



水压 Water Pressure	200Kpa		
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius
M661	—	90L/h	1m



■ M670 简易雾化喷头



水压 Water Pressure	200Kpa		
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius
M671	—	50L/h	1.5m



M680 | 地插系列

Ground insertion

■ M681 双嘴旋转喷头



水压 Water Pressure		200Kpa	
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius
M681	■■■■■	200L/h	7m



双头结构设计可用于6mm和7.5mm的M412、M413，便于更换喷头，广泛用于草坪微灌、果树喷灌,大棚蔬菜和庭院绿化的灌溉。适应性强对各种地形、土壤、各种果树等均可适用。操作简单，管理方便。

The double-head structure can be used for M412 and M413 of 6mm and 7.5mm, which is convenient for changing nozzles. It is widely used for lawn micro-irrigation, fruit tree sprinkler irrigation, greenhouse vegetable and garden greening irrigation. Adaptability is applicable to all kinds of topography, soil, various fruit trees, etc. Simple operation and convenient management.

M700|园林喷头系列

Garden sprinkler

■ M710 蝶形旋转喷头



水压 Water Pressure		150Kpa—250Kpa	
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius
M711		0.05m³/h —0.6m³/h	3m—6m



■ M720 摆臂喷头



水压 Water Pressure		150Kpa—250Kpa	
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius
M721		0.5m³/h —1.75m³/h	9m—13m



■ M730 摆臂喷头



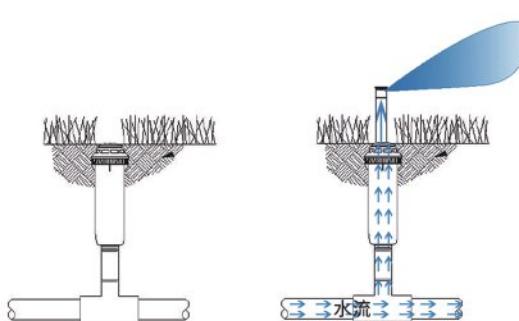
水压 Water Pressure		150Kpa—250Kpa	
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius
M731		0.8m³/h —3.25m³/h	11m—17m



■ M740 地埋式喷头



水压 Water Pressure		150Kpa—250Kpa	
货号No.	喷嘴颜色Nozzle color	流量Flow	半径Radius
M741		0.8m³/h —1.2m³/h	8m—15m



P100 | PE管材系列

PE pipe

常用PE管规格及用途：

PE盘管有Φ 16、Φ 20、Φ 25、Φ 32、Φ 40、Φ 50、Φ 63等几种常用规格,压力为0.4MPa、0.6MPa、0.8MPa。根据需要,可定制其它规格产品。常用PE管规格及用途Φ 16、Φ 20、Φ 25通常作为末级管道,用于安装滴头、滴箭、以及微喷头;Φ 32、Φ 40、Φ 50及以上规格通常作为输水支管及干管;Φ 63以下规格通常为采用锁扣连接的LDPE盘管。

Commonly used PE pipe specifications and USES:

PE coil Φ 16, Φ 20, Φ 25, Φ 32, Φ 40, Φ 50, Φ 63 and so on several common Φ specifications, pressure is 0.4 MPa, 0.6 MPa, 0.8 MPa. Other specifications can be customized products according to the need. PE pipe is commonly used specifications and USES Φ 16, Φ 20, Φ 25 usually as level at the end of the pipe, used to install the head, drops the arrow, as well as the micro nozzle; Φ 32, Φ 40, Φ 50 and above specifications often as water pipe and main; Φ 63 the following specifications are usually connected by lock LDPE coil.



备注:PE管配方及生产工艺科学先进,具有优良的韧性、耐候性和抗老化性,适用于非洲极端高温、高温差和超强紫外线的地区。

Remarks: PE pipe formula and production technology is scientific and advanced, with excellent toughness, weather resistance and aging resistance, suitable for areas with extreme high temperature, high temperature difference and super ultraviolet light in Africa.

P200 | 打孔器系列

Punch



P210

T型打孔器



P212

Φ16 Φ20软带打孔器



P213

Φ8 Φ10 Φ12打孔器



P214

Φ5 打孔器



P215

Φ3 Φ4打孔器



P216

Φ5打孔器

P300 | 鞍座系列

Saddle

可以替代变径螺纹三通使用,造价低廉,且干管无需截断,系统稳定性好。适用于各种材质管路,深受外商青睐。

It can be used instead of the variable diameter threaded tee, and the cost is low, and the dry pipe does not need to be cut off, and the system stability is good. Applicable to all kinds of material pipelines, favored by foreign businessmen.



P311



P312



P400-P500 管件系列
Pipe fittings

产品图片 Produt image	货号 No.	口径 caliber (mm)	口径 caliber (mm)	包装数量 Quantity of packing(袋)
同径接头 	P411	20	20	160
	P412	25	25	120
	P413	32	32	80
	P414	40	40	50
	P415	50	50	40
	P416	63	63	18
变径直接 	P421	25	20	140
	P422	32	20	80
	P423	32	25	80
	P424	40	20	70
	P425	40	25	70
	P426	40	32	60
	P427	50	20	35
	P428	50	25	35
	P429	50	32	30
	P430	50	40	30
	P431	63	20	25
	P432	63	25	25
	P433	63	32	25
	P434	63	40	20
	P435	63	50	20
外丝 	P441	20	1/2"	300
	P442	25	3/4 "	200
	P443	32	1"	120
	P444	40	1 1/4"	100
	P445	50	1 1/2"	72
	P446	63	2"	24
内丝 	P451	20	1/2"	300
	P452	25	3/4 "	200
	P453	32	1"	120
	P454	40	1 1/4"	100
	P455	50	1 1/2"	60
	P456	63	2"	30

产品图片 Produt image	货号 No.	口径 caliber (mm)	口径 caliber (mm)	包装数量 Quantity of packing(袋)
堵头 	P461	20		400
	P462	25		240
	P463	32		120
	P464	40		100
	P465	50		54
	P466	63		24
变径三通 	P471	25	20	72
	P472	32	20	40
	P473	32	25	40
	P474	40	20	30
	P475	40	25	25
	P476	40	32	25
	P477	50	20	20
	P478	50	25	20
	P479	50	32	16
	P480	50	40	16
	P481	63	20	15
	P482	63	25	15
	P483	63	32	15
	P484	63	40	12
	P485	63	50	12
三通 	P491	20		100
	P492	25		60
	P493	32		40
	P494	40		20
	P495	50		15
	P496	63		7
弯头 	P551	20	20	160
	P552	25	25	112
	P553	32	32	60
	P554	40	40	36
	P555	50	50	24
	P556	63	63	10
扳手 	P561		32	200
			40	200
	P562		50	200
			63	200

P600 | 微喷带系列

Micro spray belt

P600系列微喷带采用双层共挤工艺、激光精密打孔,喷水似微雨、细密均匀不伤作物,压力0.4~1.0bar,抗堵塞性能好,适用于膜下滴灌和微喷。

常规规格:Φ20、Φ25、Φ28、Φ32、Φ40、Φ50、Φ63、Φ75等,壁厚0.2~0.6mm等。直径、壁厚、布孔方式、孔径等可根据客户需求定制。

P600 series of micro-spraying belt adopts double-layer co-extrusion process, laser precision punching, water spray like light rain, fine and uniform without hurting crops, pressure 0.4~1.0bar, good anti-blocking performance, suitable for drip irrigation and micro-spray under film.

Conventional specifications: Φ20, Φ25, Φ28, Φ32, Φ40, Φ50, Φ63, Φ75, etc., wall thickness 0.2 to 0.6 mm, etc. Diameter, wall thickness, hole pattern, hole diameter, etc. can be customized according to customer needs.



孔径 Aperture /mm	0.4	0.5	0.6	0.7	0.8	0.9	1.0
单孔流量 (L/h) Single hole flow	3.8	5.9	8.5	11.6	15.2	19.2	23.7

P700 | 输水带系列

Water belt

■ P710 输水带 P710 Water belt



- ▲ 产品名称:抗晒抗老化输水带
- ▲ 耐压:2-3公斤 寿命:5年以上
- ▲ 型号: Φ32.Φ40.Φ50.Φ63.Φ75.Φ90.Φ110
- ▲ 特点:耐腐蚀、抗老化、强度高、抗渗漏、内阻小、抗拉、抗弯。
- ▲ 安装:安装维修方便,造价低,寿命长。
- ▲ 应用范围:广泛应用于农业,温室、大棚、绿化灌溉等等。
- ▲ Product Name: Anti-sun anti-aging water belt
- ▲ Withstand voltage: 2-3 kg Life: more than 5 years
- ▲ Model: Φ32.Φ40.Φ50.Φ63.Φ75.Φ90.Φ110
- ▲ Features: corrosion resistance, anti-aging, high strength, anti-leakage, small internal resistance, tensile and bending resistance.
- ▲ Installation: easy installation and maintenance, low cost and long life.
- ▲ Applications: Widely used in agriculture, greenhouses, greenhouses, green irrigation, etc.



■ P720 农田低压灌溉出水口

P720 Farmland low pressure irrigation outlet



P721 Φ 110卡扣出水口



P722 Φ 90 Φ 110 Φ 125法兰出水口



P723 Φ 63Φ 75Φ 90Φ 110Φ 125
Φ 160 PVC出水口

■ P730 水带管件 P730 Water pipe fittings

产品图片 Produt image	货号 No.	尺寸 size (mm)	产品图片 Produt image	货号 No.	尺寸 size (mm)
直接 direct 	P731	32	外丝正三通 	P751	50
	P732	40		P752	63
	P733	50	中间外丝四通 	P753	63*1"
	P734	63		P754	63*1.2"
中间外丝三通 	P735	32*1" *32		P755	63*2"
	P736	50*1" *50	内丝接头 	P756	32*1"
	P737	50*1.5" *50		P757	40*1.25"
	P738	63*1" *63		P758	50*1. 5"
	P739	63*1.2" *63		P759	63*2"
	P740	63*2" *63		P760	32*1"
弯头 	P741	32		P761	40*1.25"
	P742	40		P762	50*1. 5"
	P743	50		P763	63*2"
	P744	63	外丝接头 	P764	63*50
三通 	P745	32		P765	75*63
	P746	40	变径接头 	P766	32
	P747	50		P767	40
	P748	63		P768	50
四通 	P749	50		P769	60
	P750	63			

TQ | Y型過濾器系列
Y Filter

- ▲ Y型结构设计，体积小，过水量大
- ▲ 安装操作便捷,抗压性能强,最大承压可达8bar/116psi
- ▲ 滤芯有叠片式和网式两种选择
- ▲ 规格齐全,有3/4",1", 1-1/2",2"多种规格
- ▲ 壳体端口设计有螺纹接口,可以快速排污或减压
- ▲ 压力表接口设计,所有的型号都配有压力表接口

- ▲ Y-SHAPED STRUCTURE DESIGN, SMALL SIZE, LARGE WATER VOLUME
- ▲ EASY TO INSTAL , WITH GOOD COMPRESSIVE STRENGTH, WITH A MAX. WORKING PRESSURE AT 8 BAR/116 PSI
- ▲ WITH CARTRIDGE IN DISC TYPE& SCREEN TYPE
- ▲ FULL RANGE SIZES: 3/4",1", 1-1/2"
- ▲ THE END OF BODY WITH THREAD& CAP, EASY FOR WASTES DISCHARGE OR PRESSURE REDUCTION
- ▲ THE DESIGN OF PRESSURE GAUGE CONNECTION, AVAILABLE IN ALL SIZES



T100 | Y型过滤器
Y Filter

货号 Item number		接口尺寸 CONNECTIONS	产品尺寸 SIZES(mm)			最大流量 MAX FLOW	最大承压 MAX.PRESSURE
			W	X	D		
25叠片 disc	T110	3/4"BSP 3/4"NPT	172	110	189	3.5	6
25网式screen	T111					5	
32叠片 disc	T120	1"BSP 1"NPT	183	110	195	3.5	6
32网式screen	T121					5	
40叠片 disc	T130	1.3/4"BSP 1.3/4"NPT	183	110	195	3.5	6
40网式screen	T131					5	
50叠片 disc	T140	1.1/2"BSP 1.1/2"NPT	211	122	232	8	6
50网式screen	T141					13	
63叠片 disc	T150	2"BSP 2"NPT	244	171	312	13	6
63网式screen	T151					18	

壳体材质
MATERIAL FOR BODY

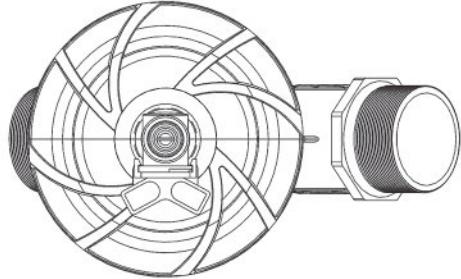
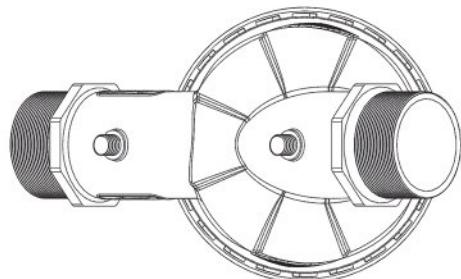
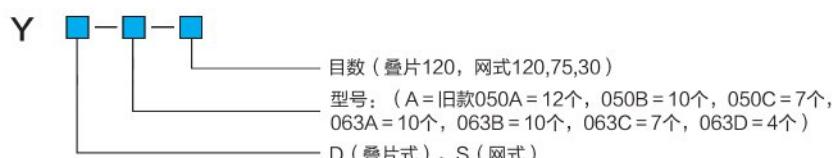
叠片式过滤器壳体材质: PP
Polypropylene(Disc Filter)
网式过滤器壳体材质: PP
Polypropylene(Screen Filter)

滤芯材质
MATERIAL FOR CARTRIDGE

叠片式滤芯材质: PP
Polypropylene
网式滤芯材质: S. S. 304
Stainless steel 304



■ 订购选型



T200|輸水帶專用過濾器

Water supply belt special filter

产品由工程塑料加工制成,主要用于农业灌溉、园林景观等行业;专业的流体分析及设计使得T200系列过滤器具有水头损失少、能耗更低、性能优越等优点。

T200 is the range of manual filters manufactured in technical plastic. It is resistant to most of the products normally used in agriculture. The hydraulic design of the filter minimizes the head loss, saving energy and optimizing its performance.

工艺技术

过滤器通用性、兼容性强,易于维护。

产品通过简单的零件组合可以实现多种配置组合产品。

高品质的过滤材料和设计理念,实现了高效过滤,
有叠片和网式两种产品多种精度可以选择,方便使用。

独特设计的螺纹锁扣式壳体,可以在压力和温度变化的情况下稳定工作。

多种连接形式可供选择(BSP、NPT和卡口),底座自带压力表接口,方便使用。

壳体顶端创新设计了外螺纹3/4"接口,方便外接减压阀或者排污阀。过滤效果稳定、清洗方便、节水减排。



Modularity.

Versatility, compatibility and easy maintenance.

The system permits a wide range of flow rates and configurations using a minimal number of components.

Maximum quality and safety in filtration.

Wide range of filtration grades in discs and screens.

The largest filtration area of its kind.

Robustness

Base and lid manufactured in high quality thermoplastic.

Easy installation, handling and maintenance.

No tools required for maintenance.

Threaded tightening nut.

Very resistant to variations of pressure and temperature.

Equipped with pressure gauges intakes.

mouth housing with different connection possibilities.

BSP, NPT or grooved connection. The filter can be installed in any position.

The lid incorporates an auxiliary 3/4 thread.

It permits the installation of a depressurization valve and emptying of the filter.

Water and energy saving.

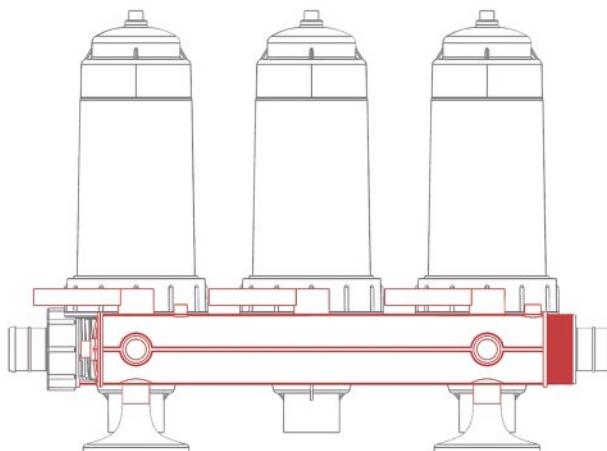
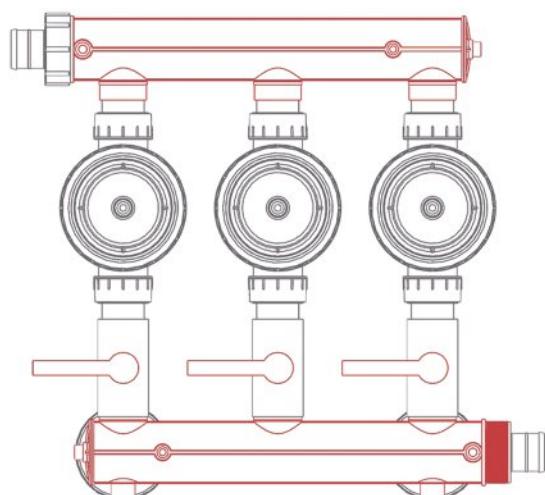
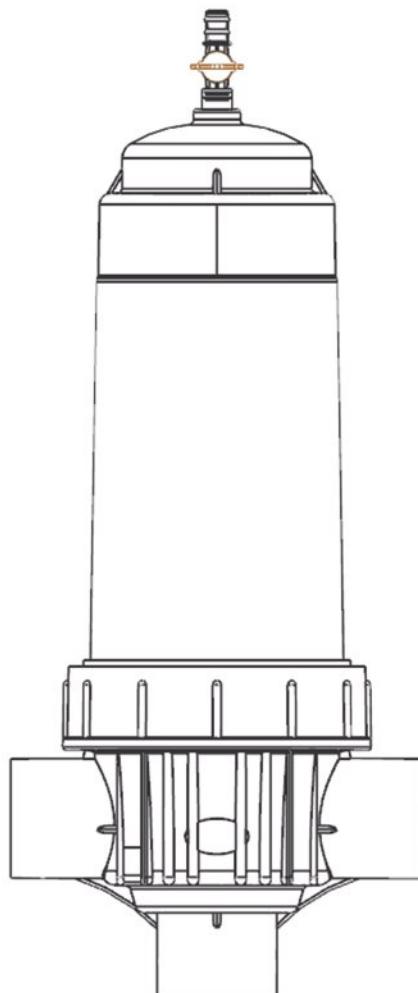
规格型号 Model 130 MICRON	最大流量 MAXIMUM FLOW m ³ /h	过滤面积 FILTERING SURFACE	
		网式 SCREEN cm ²	最大工作压力 MAXIMUM WORKING PRESSURE Bar
T210 2 "	20	660	3
T211 2.5 "	30	770	3
T212 3 "	35	980	3

过滤器的实际流量,取决于水质及过滤器清洗效果。

The flow rate given by filter, conditions the frequency of the flushings.

T200主要材质 MATERIALS T200

壳体 Housing	工程塑料 PP Polipropilene
滤芯 Filtering element	叠片材质 PP Polipropilene discs 滤网材质, 不锈钢304 tainless steel screen
螺纹接口 Locking threads	螺纹接口材质, 增强聚酰胺 Polyamide reinforced with fiberglass
密封件 Sealing element	丁腈橡胶NBR



T300 | T型过滤器

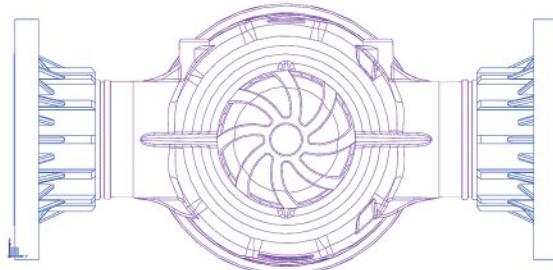
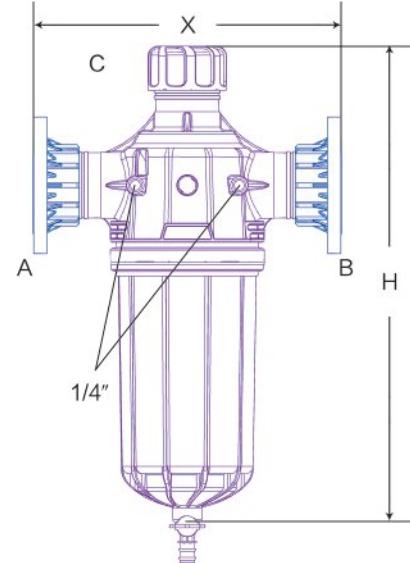
1、过滤精度准确,出水性能安全可靠叠片过滤器、不锈钢滤网过滤器,设计结构合理,能有效截留颗粒物,保证过滤效果。

2、模块化组合,无缝替换,安装简单快捷卡口快装式设计,方便安装更换。外壳采用尼龙加玻纤增强材质,承压稳定耐磨磨具化生产,尺寸统一误差极低。可以提供多种快装接口组合,方便安装、更换。

3. 广泛适用各种工况

- 自身无需动力,不接电可以安装使用
- 多种安装位置及形式,不要求绝对垂直或水平安装
- 创新了水流导向离心盘,有效减少泥沙污堵
- 全不锈钢安全快装抱箍,方便使用及维护

货号 No.	A	B	C	流量 FLOW (m³/h)	H	X	叠片 DSIC	网式 SCREEN	自动 Automatic
T311	2"BSP	2"BSP	2"BSP	30	610	325	✓	✓	-
T312	2"VIC	2"BSP	2"VIC				✓	✓	-
T321	2.5"BSP	2.5"BSP	2.5"BSP	30	610	325	✓	✓	-
T322	2.5"VIC	2.5"BSP	2.5"VIC				✓	✓	-
T331	3"BSP	3"BSP	3"BSP	30	620	338	✓	✓	-
T332	3"VIC	3"BSP	3"VIC				✓	✓	-
T333	3"VIC	3"VIC	3"BSP				✓	✓	-
T341	3"BSP	3"BSP	3"BSP	45	738	338	✓	✓	✓
T342	3"VIC	3"BSP	3"VIC				✓	✓	✓
T343	3"VIC	3"VIC	3"BSP				✓	✓	✓



■ 订购选型



● Tianqu自动反冲洗过滤器

Tianqu自动反冲洗叠片过滤器具有安装简单可靠、操作使用方便、提高工作效率等特点,最大程度减少维护工作量,降低使用成本

1、叠片过滤器-过滤安全可靠

科学精确的设计使叠片组和内部结构紧密配合,可以更加有效的去除需要过滤的杂质

2、离心盘技术---创新了水流导向离心盘技术,节水并减少维护费用

Tianqu应用水流导向离心盘技术,离心力使较大颗粒物远离叠片过滤芯,有效降低滤芯污堵,减少清洗频率,节水效果显著

3、反洗小喷头--增强自动反洗效果

设备进入反洗转态,反洗水进入单元底部4根不同角度的清洗立柱,从立柱上均匀排列的小喷头倾斜喷出,叠片上下颤抖并旋转,彻底清洗叠片中堵塞的颗粒物。

4、积木式组合--安装组合方便,维护简单

磨具化生产,尺寸统一误差极低,可以提供多种快装接口组合,方便安装、更换。

AUTOMATIC BACKFLUSH FILTERS

Tianqu Automatic disc filter allows to obtain the maximum quality in filtration and minimum energy consumption.

Our filter minimum the water lose reduce system maintenance costs, the core technology is high-precision groove type disc

and high quality high performance cartridge;

1. Better filtration reliability----Disc type filtration

Elaborate design of inner construction disc cartridge, ensured the impurities that might plug the system to be stopped

2. Better water saving and reduce system maintenance cost---Centrifugal filtration

The helix create centrifugal action, big impurities flow away cartridge, optimize the filtration performance and reduce back wash frequency and maintenance and water lose, get the best filtration result

3. Better automatic self-cleaning result----accurate small nozzle design

Numerous small nozzle in cartridge, create spiral high speed water stream, which get efficient cleaning of discs;Low flow demanding, ensure the flow rate of whole system more stable, and get efficient self-cleaning

4. Molding products, with very little dimension difference

Different connection available for fast assembling, easy for installation and change;



自动反冲洗过滤器系列 塑料材质,适用范围广

按照行业分:工业水处理、农业灌溉、市政园林、高尔夫球场、冷却循环水,海水过滤

Automatic backwash filter series Plastic material, wide range of applications

According to industry: industrial water treatment, agricultural irrigation, municipal gardens, golf courses, cooling circulating water, seawater filtration

设备选型：“GREEN”做为生产商,根据10m³/h到500m³/h以上的各种过水流量,可根据客户需求提供各种流量的过滤设备。

Equipment selection: “GREEN” as a man

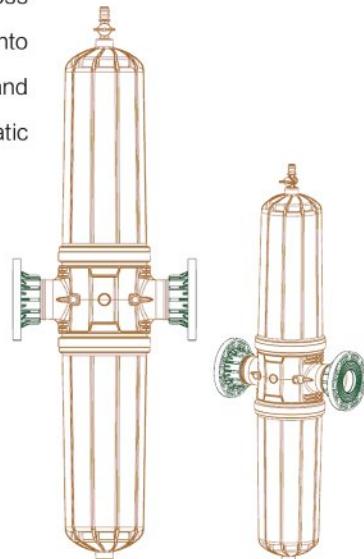
ufacturer, according to various water flow rates from 10m³/h to 500m³/h, can provide various flow filtration equipment according to customer needs.

货号 N o.	A	B	流量 FLOW (m ³ /h)	H	叠片 DSIC	网式 SCREEN	自动
T351	3"BSP	3"BSP	60	940	✓	✓	-
T352	3"VIC	3"VIC			✓	✓	-
T361	3"BSP	3"BSP	90	1180	✓	✓	✓
T362	3"VIC	3"VIC			✓	✓	✓
T371	4"BSP	4"BSP	60	940	✓	✓	-
T372	4"VIC	4"VIC			✓	✓	-
T381	4"BSP	4"BSP	90	1180	✓	✓	✓
T382	4"VIC	4"VIC			✓	✓	✓

T400|H型過濾器
H Filter

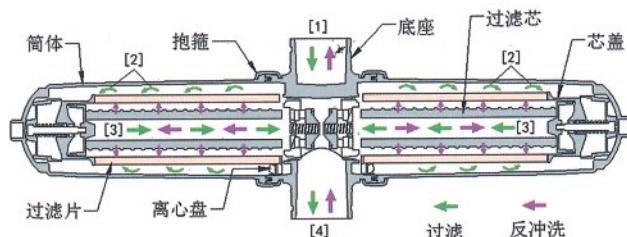
双头过滤器外观为十字型，此系统过滤器可分为自动反冲洗、叠片过滤器和网式过滤器。可用于自动反冲洗过滤系统。

The double-head filter has a cross shape. The system filter can be divided into automatic backwash, laminated filter and mesh filter. Can be used in automatic backwash filtration systems.



工作原理:

- 1水流进入[1]底座入水口,水压和弹簧使芯盖压紧过滤叠片。
- 2水流通过离心盘,产生的离心效果[2]把带有大颗粒杂质的水源用在筒体的内壁,并集中于筒体的顶部,带有小颗粒杂质的水源再经过叠片过滤。
- 3过滤后的水流从叠片内腔[3]流出,进入底座的出水口[4]
- 4进入底座的出水口[4]
- 5反冲洗水流由4进入过滤芯芯盖往顶部活动,叠片松开,水流从过滤芯的小孔按紫色箭头方向喷射到散开的叠片上,对叠片进行彻底的清洗,然后从排污口排出。
- 6当一个过滤单元清洗阶段结束,芯盖又回到初始位置,压紧叠片,开始新一轮过滤。同时下一个过滤单元进入反冲洗阶段。



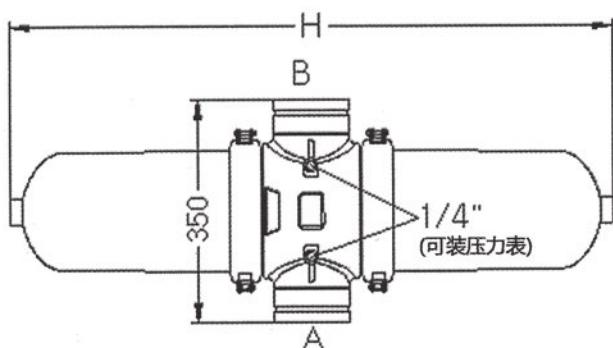
自動反冲洗示意图

working principle:

- 1 water flow [1] into the base inlet, water pressure and springs make the core cover press the filter lamination.
- 2 The water flows through the centrifugal disk, and the centrifugal effect [2] smashes the water source with large particle impurities on the inner wall of the cylinder and concentrates on the top of the cylinder with a small the water source of the particulate impurities is then filtered through the laminate.
- 3 The filtered water flows out of the lamination cavity [3] and enters the outlet of the base [4]
- 4 enter the water outlet of the base [4]

5 The backwashing water flow is moved from 4 into the filter core cover to the top, the lamination is released, and the water flow is sprayed from the small hole of the filter core in the direction of the purple arrow to the scattered stack. on the film, the laminate is thoroughly cleaned and then discharged from the drain.

6 When the cleaning stage of a filter unit is over, the core cover returns to the initial position, and the laminate is pressed to start a new round of filtration. At the same time, the next filter unit enters the backwashing phase.



过滤精度可以根据需求选取叠片式或网式可分为180目，150目，120目，80目，40目等，自动反冲洗只适用于叠片式过滤。

The filtering precision can be divided into 180 mesh, 150 mesh, 120 mesh, 80 mesh, 40 mesh, etc. according to the requirements. The automatic backwashing is only suitable for lamination filtering.

货号 No.	A	B	H	流量 (m³/h) Flow	叠片 Dsic	网式 Screen	自动反冲洗 Automatic
T411	3" BSP	3" BSP	940	60	✓	✓	-
T412	3" VIC	3" VIC			✓	✓	-
T421	3" BSP	3" BSP	1180	90	✓	✓	✓
T422	3" VIC	3" VIC			✓	✓	✓
T431	4" BSP	4" BSP	940	60	✓	✓	-
T432	4" VIC	4" VIC			✓	✓	-
T441	4" BSP	4" BSP	1180	90	✓	✓	✓
T442	4" VIC	4" VIC			✓	✓	✓

根据10m³/h到1000m³/h以上的各种过水流量，可根据客户需求提供各种流量的过滤设备。



■ 订购选型



T500 | 增強尼龍離心過濾器

PA Enhance Centrifugal Filtration



产品概述:

离心过滤器应用于井水或U形渠水,用于分离水中所含有的杂质颗粒如细砂和石子。离心过滤器一般安装在机井的出口位置用于保护滴灌和喷灌系统。广泛应用于自来水和中水设备的颗粒分离工作,以有效保护管道泵,输水管道,阀门和水箱等粒磨损,降低维护费用。

product description:

The centrifugal filter is applied to well water or U-shaped channel water for separating impurity particles such as fine sand and stones contained in the water. Centrifugal filters are typically installed at the exit of the well to protect the drip irrigation and sprinkler irrigation systems. It is widely used in the separation of particles from tap water and water equipment to effectively protect the pipeline pump, water pipeline, valves and water tanks from wear and tear, and reduce maintenance costs.

特点:

- ▲ 蜗牛头结构设计,能够引导水流向椎体底部高速旋转,产生更强离心力。
- ▲ 增强尼龙材质,不生锈,耐磨损,耐腐蚀。

Features:

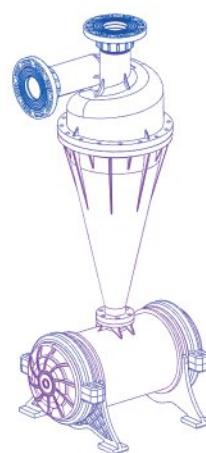
- ▲ Snail head structure design, can guide the water flow to the bottom of the vertebral body to rotate at high speed, resulting in stronger centrifugal force.
- ▲ reinforced nylon material, no rust, wear and corrosion resistance.

工作原理

离心式过滤器基于重力及离心力的工作原理,清除重于水的固体颗粒。水由进水管切向进入离心过滤器体内,旋转产生离心力,推动泥沙及密度较高的固体颗粒沿管壁流动,形成旋流,使沙子和石块进入集砂罐,净水则顺流沿出水口流出,即完成水砂分离。

working principle

Centrifugal filters remove solid particles that are heavier than water based on the principle of gravity and centrifugal force. The water is tangentially inserted into the centrifugal filter body by the inlet pipe, and the centrifugal force is generated by rotation to push the sediment and the solid particles with higher density to flow along the pipe wall to form a swirling flow, so that the sand and the stone enter the sand collecting tank, and the purified water flows downstream. Water and water are separated, which completes the separation of water and sand.





砂石离心过滤器材质:PA

最大压力:10kg/cm³

Sand stone centrifugal filter material: PA
Maximum pressure: 10kg/cm³

安装说明

1. 离心过滤器作为粗级过滤器,常与网式或叠片过滤器同时使用效果更好。

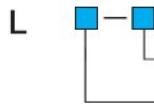
2. 安装时,在过滤器的进水口前应安装一段与进水口等径的直通管,长度是进水口直径的10-15倍,以保证进水流平稳。

Installation Notes

1. Centrifugal filter as a coarse filter, often with a mesh or laminated filter at the same time.

2. When installing, install a straight pipe with the same diameter as the water inlet before the water inlet of the filter. The length is 10-15 times the diameter of the water inlet to ensure the smooth flow of the water.

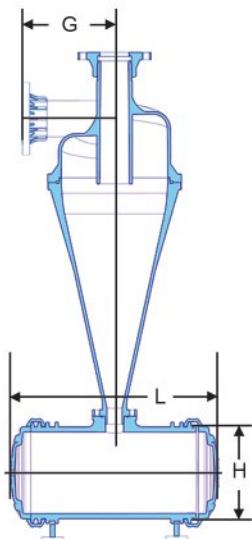
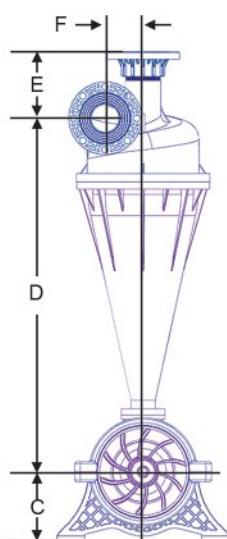
订购选型



P (塑料法兰), C (铸铁法兰)

型号

货号 No.	A-B	C	D	E	F	G	H	L
T511	3"BSP	198	911	152	86	200	230	500
T512	3"VIC							
T521	4"BSP	235	1057	190	138	273	280	565
T522	4"VIC							

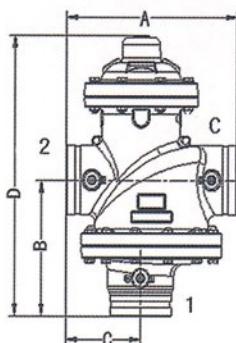


T600|反冲洗阀

Back-Flushing Valves



货号 No.	尺寸 Size						重量 (kg)
	2-C	1	A	B	C	D	
T611	2" VIC	2" VIC					
	2" BSP	2" BSP					
T612	3" VIC	3" VIC	287	188	143.5	375	4.12
	2" BSP	2" BSP					
T613	4" VIC	4" VIC	316	225	138.5	462	
	3" BSP	3" BSP					
T614	4" VIC	4" VIC	316	225	138.5	462	
	3" VIC	3" VIC					

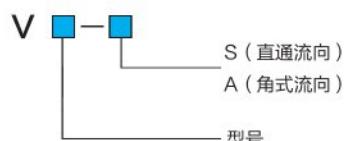


技术参数
 控制腔工作容量: 0.55L
 工作压力: 0.7~10bar
 外压: 工作压力的85%~100%
 最高温度: 65°C
 连接形式: 端口1: 卡箍连接4"; 螺纹3"
 端口2: 卡箍连接4"
 端口C: 卡输连接4"
 Technical Parameters
 Control cavity working capacity: 0.55L
 Working pressure: 0.7~10bar
 External pressure: 85%~100% of working pressure
 Maximum temperature: 65 °C
 Connection form: Port 1:
 Clamp connection 4"; Thread 3"
 Port 2: Clamp connection 4"
 Port C: Card Input Connection 4"

水流方向:
 直通流向 "2→C"
 直通逆向流向 "C→1"
 角式流向 "1→C"
 角式逆向流向 "C→2"
 Flow direction:
 Straight flow to "2→C"
 Straight through reverse flow to "C→1"
 Angle flow to "1→C"
 Angle reverse flow to "C→2"

材料
 阀盖: PA6+30%GF (灰色)
 阀体: PA6+30%GF (黑色)
 阀体接头: PA6+30%GF (黑色)
 隔膜: NR-AL52
 隔膜垫片: PA6+30%GF (黑色)
 阀座: 不锈钢304
 阀芯: POM
 密封圈: 丁腈橡胶
 弹簧: 不锈钢304
 阀轴: 不锈钢304
 material
 Bonnet: PA6+30%GF (gray)
 Body: PA6+30%GF (black)
 Body connector: PA6+30%GF (black)
 Diaphragm: NR-AL52
 Diaphragm gasket: PA6+30%GF (black)
 Seat: Stainless steel 304
 Spool: POM
 Sealing ring: Butadiene rubber
 Spring: stainless steel 304
 Valve shaft: stainless steel 304

订购选型





T700 | 空气阀
Air-Valves



空气阀采用高强度PA材质，尺寸为1" -2.5"。空气阀与水力控制阀产品组合可更好优化管网系统综合控制，空气阀适用于各种供系统、污水和废水系统。

工作原理

当气体进入排气阀阀腔聚集在排气阀的上部，随着阀内气体的增多，压力上升，当气体压力大于系统压力时，气体会使腔内水面下降，浮筒随水位一起下降，打开排气口；气体排尽后，水位上升，浮筒也随之上升，关闭排气口。当系统中产生负压，阀腔中水面下降，排气口打开，由于此时外界大气压力比系统压力大，所以大气会通过排气口进入系统，防止负压的危害。

working principle

When the gas enters the exhaust valve cavity, it gathers in the upper part of the exhaust valve. As the gas in the valve increases, the pressure rises. When the gas pressure is greater than the system pressure, the gas will drop the water surface in the cavity, and the float will fall with the water level. Open the exhaust port; after the gas is exhausted, the water level rises and the float rises, closing the exhaust port. When a negative pressure is generated in the system, the water surface in the valve chamber drops and the exhaust port opens. Since the external atmospheric pressure is greater than the system pressure at this time, the atmosphere enters the system through the exhaust port to prevent the danger of negative pressure.

货号	A	D	H	材质	压力
T711	1"	58	120	PA	PN5
T712	1.5	95	198	PA	PN10
T713	2"	115	217	PA	PN105
T714	2.5	136	230	PA	PN16

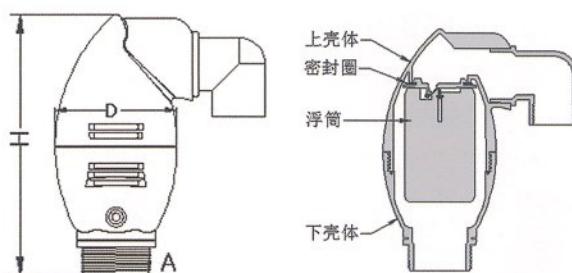
The air valve is made of high-strength PA and measures 1"-2.5". The combination of air valve and hydraulic control valve can better optimize the comprehensive control of the pipe network system. The air valve is suitable for various supply systems, sewage and wastewater systems.

空气阀的安装

1. 空气阀必须垂直安装，即必须保证其内部的浮筒处于垂直状态，以免影响排气；
2. 在安装时，最好跟隔断阀一起安装，这样当需要拆下进行检修时，能保证系统的密闭，水不致外流；
3. 一般安装在系统的最高点，有利于提高排气效率；
4. 过低的系统压力不但不利于排气，且会增加漏水的可能性。

Air valve installation

1. The air valve must be installed vertically, that is, the internal buoy must be in a vertical position to avoid affecting the exhaust;
2. When installing, it is best to install it with the block valve, so that when it is necessary to remove it for maintenance, the system can be sealed and the water will not flow out;
3. Generally installed at the highest point of the system, which is beneficial to improve exhaust efficiency;
4. Too low system pressure is not only bad for exhaust, but also increases the possibility of water leakage.

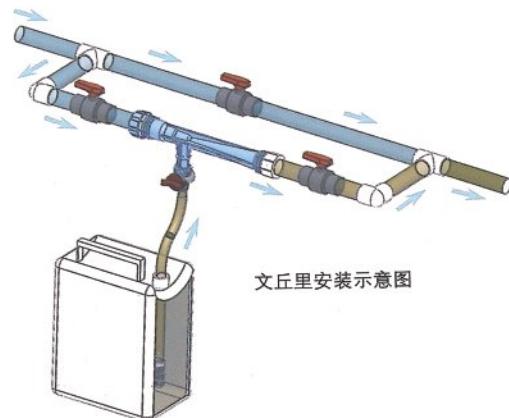


F100|文丘里施肥器

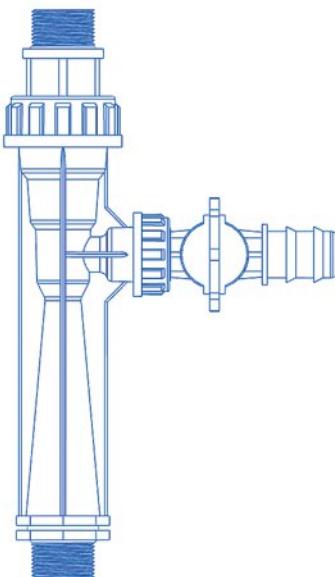
Fertilizer Application

文丘里结构独特,避免了市场常见的普通型文丘里管容易折断的弊端,具有稳定可靠、造型美观的优点。此外,高端型文丘里还设计了多套不同通径的内置吸嘴、可进行微量调节的控制阀等选项配置,可实现对吸入量的控制。

The structure of Venturi is unique, which avoids the disadvantages of common venturis that are common in the market, and has the advantages of stability, reliability and beautiful appearance. In addition, high-end venturi has also designed multiple sets of different nozzles with built-in nozzles and control valves for micro-adjustment, which can control the intake.



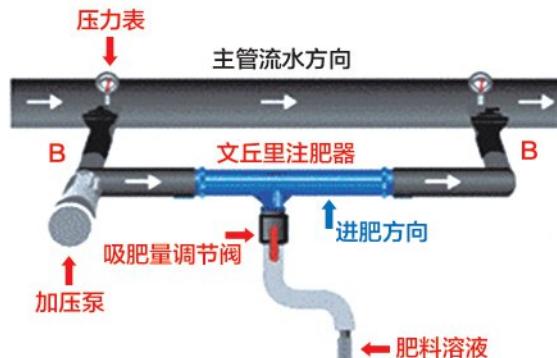
货号 No.	尺寸 Size	型号 MFH	流量 m ³ /h (0.7~9.5bar) Flow	自吸流量 L/h Self-priming flow
F111	1/2"	1/2" BSP	0.29~0.81	3~37
F121	3/4 "	3/4 " BSP	0.65~2.24	9~92
F131	1"	1" A-BSP	1.82~6.34	34~279
F132		1" B-BSP	1.82~6.34	34~279
F141	1~1/2"	1~1/2" A-BSP	4.31~12.73	49~680
F142		1~1/2" B-BSP	4.31~12.73	49~680
F151	2"	2" A-BSP	11.58~20	110~1200
F152		2" B-BSP	11.58~20	110~1200
F161	3"	3" BSP	30~60	2240~4680



■ F170 文丘里施肥器 F170 Venturi Fertilizer



文丘里施肥器型号
1" 1.2" 1.5"
2" 2.5" 3"



安装时,水流方向应与注肥器上的箭头方向保持一致,否则无法正常工作。

主管上的控制阀门应能进行微小调节,从而达到合适的工作状态安装时确保连接部位不漏气,否则影响注肥器正常工作。

When installing, the direction of water flow should be consistent with the direction of the arrow on the fertilizer injector, otherwise it will not work properly.

The control valve on the supervisor should be able to make minor adjustments to achieve proper working conditions. Ensure that the joints are not leaking during installation, otherwise the fertilizer injector will work normally.

▲ 工作原理

- 1.文丘里式注肥器与灌溉系统的灌区入口处的供水控制阀门并联安装,使用时将控制阀门关小,形成控制阀门前后的压差,可以使您的溶解在水中的肥料吸入到文丘里式注肥器中进而流入到供水管道中。
- 2.利用水流通过文丘里管产生的真空吸力,将肥料溶液从敞口的肥料桶中均匀吸入管道系统进行施肥。使您的操作更加方便简单。
- 3.若施肥浓度稳定,无须外加动力,更加节省您的时间与资源!

▲ working principle

1. The venturi type fertilizer applicator is installed in parallel with the water supply control valve at the entrance of the irrigation area of the irrigation system. When used, the control valve is closed to form a pressure difference before and after the control valve, so that the fertilizer dissolved in the water can be sucked into the Wenqiu. The inner fertilizer injector then flows into the water supply pipe.
2. Use the vacuum suction generated by the water flow through the venturi tube. The fertilizer solution is evenly sucked into the pipeline system from the fertilizer tank of the mouth to fertilize. Make your operation easier and simpler.
3. If the fertilization concentration is stable, no additional power is needed, saving your time and resources!



F200|比例式注肥泵(加药泵)

Proportional fertilizer pump (dosing pump)

注肥泵无需电源,在0.2~10.0bar水压(因型号而异)作用下,自动按照设定的比例吸入适量的溶剂,且无论水压及流量如何变化,混合液的比例保持恒定。

The fertilizer pump does not need a power supply. Under the action of 0.2~10.0bar water pressure (depending on the model), it automatically inhales the appropriate amount of solvent according to the set ratio, and the proportion of the mixture remains constant regardless of the water pressure and flow rate.

产品特征

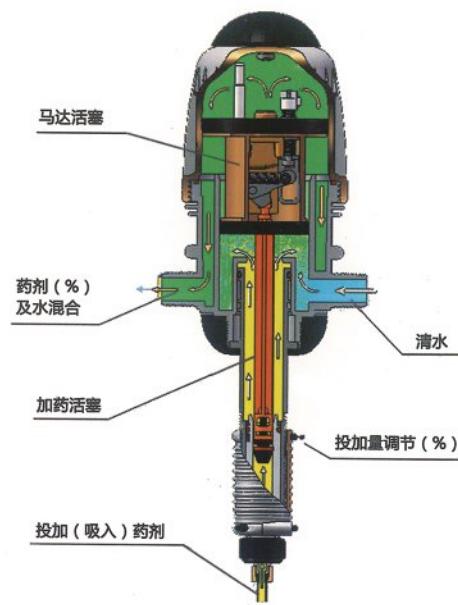
- ▲投加比例调节灵活,添加剂量可随意调节;
- ▲直接安装在供水管上,无须电力,而以水压作为工作的动力;
- ▲只要打开水源即可;
- ▲精确的自动比例投加混合,不受水的流量压力波动影响;
- ▲外部调节比例,灵活方便;

Product Features

▲The dosage of the cockroach is more flexible, and the amount of the additive can be adjusted at will;

▲directly installed on the water supply pipe, without electricity, and using water pressure as the driving force for work;

▲Just open the water source;
▲ precise automatic proportional dosing and mixing, independent of water flow pressure fluctuations;



型号及技术参数 Model and technical parameters

货号 No.	接口尺寸 Size	流量 L/h Flow	工作压力 Working pressure	添加比例 Add ratio	比例范围 Proportional range	添加剂量 L/h Adding dose
F202	3/4 "	25~2500	0.25~6bar	1:50~1:500	0.2%~2%	0.05~50
F204	3/4 "	25~2500	0.25~6bar	1:25~1:250	0.4%~4%	0.1~100
F205	3/4 "	25~2500	0.25~6bar	1:20~1:100	1%~5%	0.25~125
F210	3/4 "	25~2500	0.25~6bar	1:10~1:100	1%~10%	25~250
F201	3/4 "	25~2500	0.25~6bar	1:100~1:500	0.2%~1%	0.05~25

比例泵加药比例图 Proportional pump dosing ratio map

水药比例/母液	0.1kg	0.2kg	0.3kg	0.4kg	0.5kg	0.6kg	0.7kg	0.8kg	0.9kg
100g 加水 5kg	1:50								
100g 加水 10kg	1:100	1:50							
100g 加水 15kg	1:150	1:75	1:50						
100g 加水 20kg	1:200	1:100	1:67	1:50					
100g 加水 25kg	1:250	1:125	1:83	1:63	1:50				
100g 加水 30kg	1:300	1:150	1:100	1:75	1:60	1:50			
100g 加水 35kg	1:350	1:175	1:117	1:88	1:70	1:58	1:50		
100g 加水 40kg	1:400	1:200	1:133	1:100	1:80	1:67	1:57	1:50	
100g 加水 45kg	1:450	1:225	1:150	1:113	1:90	1:75	1:64	1:56	1:50
100g 加水 50kg	1:500	1:250	1:167	1:125	1:100	1:83	1:71	1:63	1:56
100g 加水 100kg		1:500	1:330	1:250	1:20	1:167	1:143	1:125	1:111
100g 加水 150kg			1:500	1:375	1:300	1:250	1:214	1:188	1:167
100g 加水 200kg				1:500	1:400	1:333	1:286	1:160	1:215
100g 加水 250kg					1:500	1:417	1:357	1:313	1:278
100g 加水 300kg						1:500	1:429	1:375	1:333
100g 加水 350kg							1:500	1:438	1:389
100g 加水 400kg								1:500	1:444
100g 加水 450kg									1:500



F300|HSFG系列压差式施肥罐

Series differential pressure fertilization tank

通过调节施肥控制阀门的开度,使进出水口产生压力差,将施肥罐内的肥料压入灌溉管道中。有塑料和金属两种材质。容量从10升到500升。

By adjusting the opening degree of the fertilization control valve, a pressure difference is generated between the inlet and outlet, and the fertilizer in the fertilization irrigation is pressed into the irrigation pipe. Available in plastic and metal. Capacity from 10 to 500 liters.



F400|全自动施肥机

Automatic fertilizer application machine

俗称施肥机,是应用于温室、大田灌溉系统的一个设计独特、结构精巧、操作简单和模块化的自动灌溉及施肥控制的成套设备。

在实现最基本的对田间灌溉用的电磁阀实现自动控制的同时,更可通EC/PH值的机流量监控、在先进的可编程控制器控制下,通过机器上的一组文丘里注肥器准确的把肥料养分或弱酸等注入灌溉主管中,执行准确的施肥过程。

用户可通过控制器键盘现场监控和编制,也可通过外接计算机,在办公室内进行远程控制。

可通过外接的气象站,实现依据土壤湿度,蒸发量、降雨和太阳辐射等传感器输入条件,全自动智能自动调节和控制灌溉施肥。

对于小系统通常采用串联方式,大型系统则采用旁路方式与灌溉主管并联。适合于大型园艺及农场的自动灌溉施肥控制,实现无人化精确管理。

Commonly known as fertiliser machine, it is a complete set of equipment for automatic irrigation and fertilization control with unique design, compact structure, simple operation and modularity applied to greenhouse and field irrigation system.

In the realization of the most basic electromagnetic valve for field irrigation, the automatic control of the flow control of the EC/PH value, under the control of advanced programmable controller, through a group of venturi on the machine Accurately inject fertilizer nutrients or weak acids into the irrigation supervisor to perform an accurate fertilization process.

Users can monitor and compile on-site through the controller keyboard, or remotely control in the office through an external computer.

Through the external weather station, sensor input conditions based on soil moisture, evaporation, rainfall and solar radiation can be realized, and automatic intelligent automatic adjustment and control of fertigation can be achieved.

For small systems, the series is usually used, and the large system is bypassed with the irrigation main. Automatic irrigation and fertilization control for large horticulture and farms for unmanned and precise management.



F500|变频恒压供水系统

Frequency constant pressure water supply system

变频控制相对于工频控制而言具有以下优点:

1. 按需供水。在水泵额定流量内,系统根据实际用水量自动调节水泵工作频率,提供相应的水量。打开任意阀门,随时用水;关闭阀门,水泵自动停止。
2. 省电省工。用多少水,耗多少电,可节电约60%。同时无需频繁往返泵房与现场操作开关,极大地节省了人工。
3. 稳定可靠。电机实现软启动和软停止,避免骤起骤停,大大降低对电网的冲击,降低维护管理费用。
4. 功能齐全。具有工频切换功能,以及故障切换或停机、漏电过载保护、备用泵自动启动等功能。

Frequency conversion control has the following advantages over power frequency control:

1. Water supply on demand. Within the rated flow of the pump, the system automatically adjusts the pump operating frequency according to the actual water consumption to provide the corresponding amount of water. Open any valve and use it at any time; close the valve and the pump will stop automatically.

2, saving electricity and labor. How much water is used and how much electricity is consumed, which can save 60% of electricity. At the same time, there is no need to frequently go back and forth between the pump room and the on-site operation switch, which greatly saves labor.

3. Stable and reliable. The motor realizes soft start and soft stop, avoids sudden sudden stop, greatly reduces the impact on the power grid, and reduces maintenance and management costs.

4, full-featured. With power frequency switching function, as well as failover or shutdown, leakage overload protection, standby pump automatic start and other functions.





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