



Sistemas y Tecnología del agua / Water System Technology / Système et Technologie de l'eau

NETWELL Aspiration valves

Family 14

System Netvitic System®

Hidroten, with its family of Foot Valves, provides to the market a range of exclusive products with a highly differentiated operativeness. The aspiration valves from Hidroten are designed and manufactured under the guidelines of its NETWELL technology.

**top outstanding security, effectiveness
and operativeness**

SOLVENT SOCKET

NETVITC

FEMALE

THREADED

PE

Ø40/200 mm.

2 1/2" - 4"

P.A./P.P.F.V.

INOX



NETVITC SYSTEM® PVC Pres. fittings
PVC Pres. glued fittings
PVC Pres. glued-thread fittings
NETVITC® Flange-coupling
Flanges and Adaptors
Clamp saddles
GFRP Hinged sleeves
P.P. Threaded fittings
P.P. Fittings
Brass pressure Fittings
Electrofusion fittings/Welding fittings
Butterfly valves
Butterfly valves NETVITC SYSTEM®
Ball valves
SYSTEM® Check valves
NETWELL Aspiration valves
Lineal check valve
Check (non return) valve with spring
NET® Air release valve
Angle seat valves
Drip irrigation
Micro-irrigat. fittings
Filter
Fluids display socket
PVC Glue and cleaner
Drainage



PRODUCTOS FABRICADOS EN LA U.E.
POR HIDROTEL S.A. CON LICENCIA Y
TECNOLOGÍA NETWELL SYSTEM®

High versatility in the schedule of its installation

-NETWELL aspiration valve integrates a small part of the wide Netvitc System family, a system of union using one flange and two screws. The main characteristics of this system are, easiness of installation, time and spare parts saving due to the lots of possible combinations.

Example of an installation using the Netvitc System®:

-The first part of the set is an aspiration foot valve (fig. 1), with solvent socket outlet (our family nº 14 includes aspiration valves with four outlets: solvent socket, female threaded, Netvitc and thermo fusion grooved system).

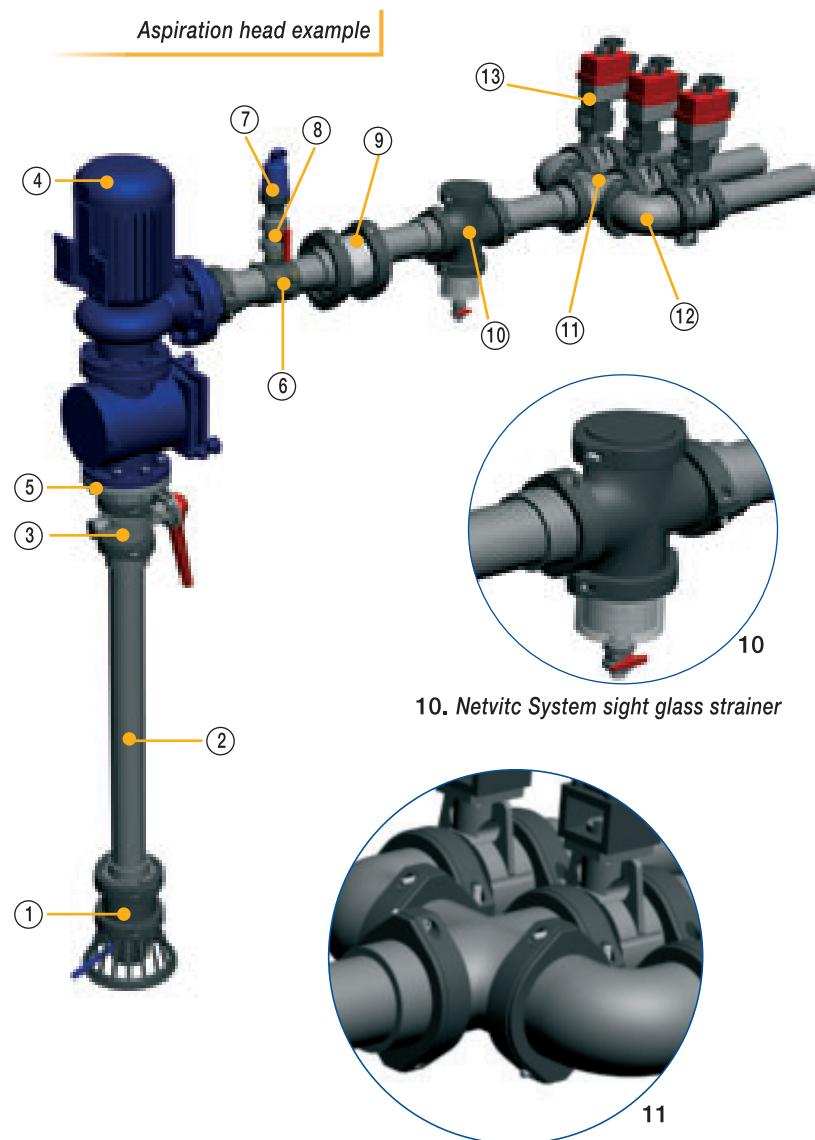
-By means of a PVC piping (fig. 2) we connect an aspiration foot valve with a Netvitc System butterfly valve (fig. 3). In order to repair or clean up the installation without interrupting it, the system allows an easy disassembling using two screws only.

-To follow with, the pumping group (fig. 4), which allows the extraction of water, is attached to the other parts of the installation by means of transition flanges (fig. 5). Connected to the piping with a clamp saddle (fig. 6), a NET air release valve, kinetic effect (fig. 7), allows the entrance and the exit of important quantities of air in order to avoid damages within the pipe. Between these two components (clamp saddle and Net air release valve), there is a ball valve (fig. 8, family 11) with different outlet options (solvent socket, female/male threaded, fitting, thermo fusion, Netvitc, vitaulic grooved system) ipermitting allowing to handle the Net Air release valve in case of cleaning or obstruction.

-Then (fig. 9), a Netvitc System sight glass linear check valve (from family nº 15, with options including solvent socket, female threaded, Netvitc, vitaulic grooved system and thermo fusion), prevents the water from returning to the pumping group and allows looking into the conduction flow.

-Other important part to take into consideration in this kind of installation is the sight glass strainer (fig. 10, family 8n); its uniquely innovative design easens its installation and maintenance.

-Finally, the system forks by means of a Netvitc System PVC cross (fig. 11) and two Netvitc System 90° elbows (fig. 12), allowing us to obtain easily, inmediately and without necklines, 3 lines independently controllable by a motorized Netvitc System butterfly valve (fig. 13).



NETVITC SYSTEM®

GENERIC APPLICATIONS:

- Netwell valves are specific type of check valves intended to be placed in the base of the aspiration pipe of a pump, in order to avoid the draining of the impulse conduction. The entrance of the valve is protected by a wire netting to prevent the introduction of organic or solid elements, among other objects maybe present in the deposit or in the well of aspiration.
- Its stainless steel internal components lets its application in types of watering system, desalination plants and the majority of the chemical industry.

STANDARDS:

Threaded outlet, according to standard UNE 19009.
 Solvent socket outlet, according to standard UNE-EN-1452 (PVC-U)
 PE outlet, according to standard UNE-EN-12201 (PE)
 Netvitc outlet, compatible with Vitaulic grooved system.

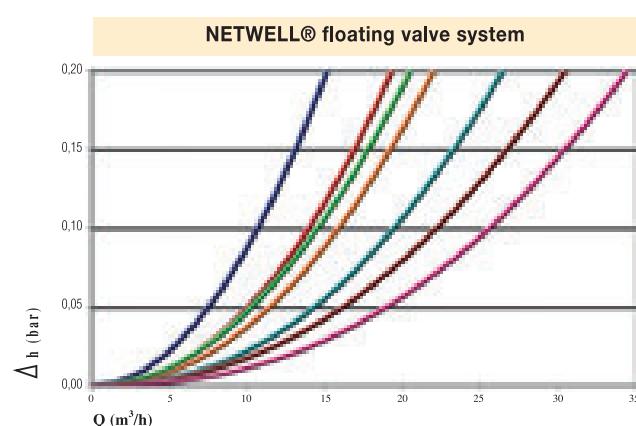
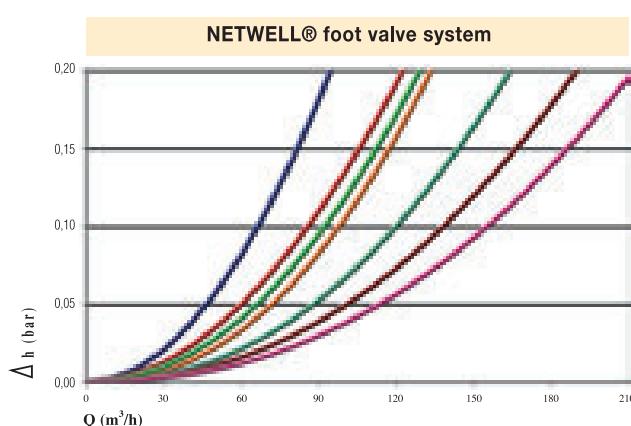
TECHNICAL CHARACTERISTICS:

- P.N. 10 bar / 145 psi
- Pressure of lid closing: 0,1 bar- 1,45 psi.
- Maximal temperature: 50°C.

BASIC CHARACTERISTICS:

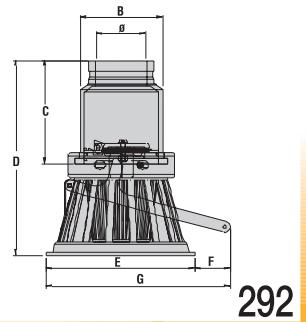
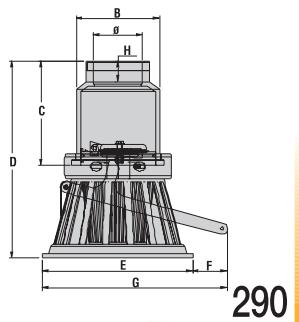
The aspiration valve family is integrated within Netvitc System.

- The metallic (INOX A-2) and plastic elements (PPGF, PVC and PA), confer the aspiration valves with maximum mechanical resistance in any working environment.
- Watertight closing by mediation of its spring and lid.
- Easy installation and cleaning due to its flange system, easy opening by means of two screws only.
- Quick unloading or draining the column, by means of its manual lever. This lever system makes it more operational for mobile aspirations (characteristic applicable to foot valves only).
- Netwell aspiration valves completely incorporate 4 types of outlet:
 - Solvent socket outlet
 - Female threaded outlet
 - Netvitc® outlet (Vitaulic grooved system).
 - P.E. outlet
- Netwell aspiration valves incorporate 2 types of DN (100-125) with coincident outlets between each other (see annotated drawings)

LOAD LOSS GRAPH :

Ø90-DN100	Ø125-DN125
Ø110-DN100	Ø140-DN125
Ø110-DN125	Ø160-DN125
Ø125-DN100	

RANGE OF PRODUCT :



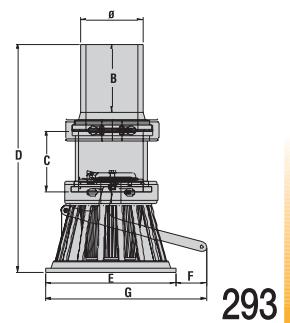
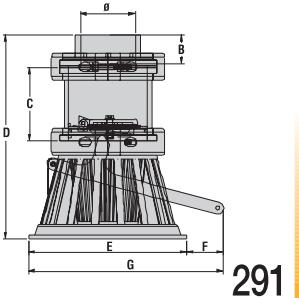
Unloading with female threaded outlet

CÓDIGO	Ø TUBO	D.N.	PESO GRS UNIDAD	B	C	D	E	F	G	H
14006	2 1/2"	100	1900	143	184	352	259	70	329	33
14007	3"	100	1910	143	184	352	259	70	329	36
14008	4"	100	1980	143	184	352	259	70	329	41

Unloading with Netvitc® outlet

CÓDIGO	Ø TUBO	D.N.	PESO GRS UNIDAD	B	C	D	E	F	G
14047	90	100	1880	140	184	352	259	70	329
14048	110	100	1930	140	184	352	259	70	329

Conexión Sistema Ranurado Vitaulic.



Unloading with solvent socket outlet

CÓDIGO	Ø TUBO	D.N.	PESO GRS UNIDAD	B	C	D	E	F	G
14207	90	100	2990	51	122	349	259	53	311
14208	110	100	3054	60	122	357	259	53	311
14235	125	100	3088	69	122	371	259	53	311

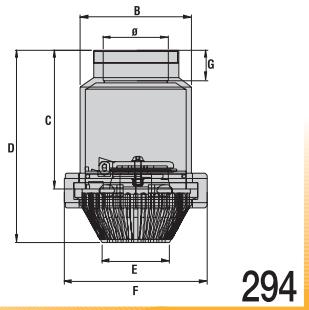
unloading with P.E. outlet

CÓDIGO	Ø TUBO	D.N.	PESO GRS UNIDAD	B	C	D	E	F	G
14055	90	100	3086	100	122	430	259	53	311
14056	110	100	3188	101	122	431	259	53	311
14057	125	100	3407	135	122	462	259	53	311

CÓDIGO	Ø TUBO	D.N.	PESO GRS UNIDAD	B	C	D	E	F	G
14220	110	125	5016	60	137	356	280	74	354
14209	125	125	4844	69	137	365	280	74	354
14210	140	125	4854	76	137	370	280	74	354
14211	160	125	5208	86	137	380	280	74	354
14212	200	125	6138	100	137	440	280	74	354

CÓDIGO	Ø TUBO	D.N.	PESO GRS UNIDAD	B	C	D	E	F	G
14058	140	125	5400	98	137	480	280	74	354
14059	160	125	5610	122	137	463	280	74	354

NETWELL® Aspiration valves

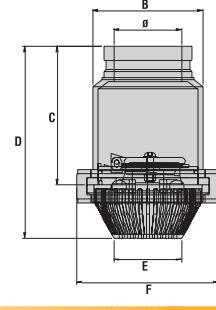


294

Floating with female threaded outlet

CÓDIGO	Ø TUBO	D.N.	PESO GRS UNIDAD	B	C	D	E	F	G
14106	2 1/2"	100	1447	143	184	260	88	184	33
14107	3"	100	1457	143	184	260	88	184	36
14108	4"	100	1523	143	184	260	88	184	41

296

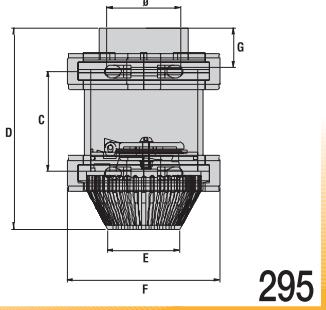


296

Floating with Netvitc® outlet

CÓDIGO	Ø TUBO	D.N.	PESO GRS UNIDAD	B	C	D	E	F
14147	90	100	1458	143	184	260	88	184
14148	110	100	1510	143	184	260	88	184

Conexión Sistema Ranurado Vitaulic.



295

Floating with solvent socket outlet

CÓDIGO	Ø TUBO	D.N.	PESO GRS UNIDAD	C	D	E	F	G
14303	40	50	773	70	186	37	110	28
14304	50	50	809	70	189	37	110	31
14305	63	50	763	70	199	37	110	41
14306	75	50	909	70	200	37	110	42

297

Floating with P.E. outlet

CÓDIGO	Ø TUBO	D.N.	PESO GRS UNIDAD	C	D	E	F	G
14153	50	50	841	70	214	37	110	56
14154	63	50	800	70	247	37	110	89

CÓDIGO	Ø TUBO	D.N.	PESO GRS UNIDAD	C	D	E	F	G
14155	90	100	2633	122	338	88	184	100
14156	110	100	2735	122	339	88	184	101
14157	125	100	2954	122	370	88	184	135

CÓDIGO	Ø TUBO	D.N.	PESO GRS UNIDAD	C	D	E	F	G
14158	140	125	5030	138	449	96	248	98
14159	160	125	5230	138	432	96	248	122

CÓDIGO	Ø TUBO	D.N.	PESO GRS UNIDAD	C	D	E	F	G
14307	90	100	2537	122	257	88	184	51
14308	110	100	2601	122	265	88	184	60
14335	125	100	2635	122	279	88	184	69

CÓDIGO	Ø TUBO	D.N.	PESO GRS UNIDAD	C	D	E	F	G
14320	110	125	4672	138	325	96	248	60
14309	125	125	4532	138	334	96	248	69
14310	140	125	4626	138	339	96	248	76
14311	160	125	4837	138	349	96	248	86
14312	200	125	5767	138	409	96	248	100

Appropriated materials, for an optimum resistance.

-The technological foundation of this system of valves consists of its design, modular configuration and manufacturing with the most appropriated materials to ensure a perfect behavior and durability of use, all this under the guidelines of the NETWELL technology.

Nomenclature and materials:

A2 STAINLESS STEEL

P.P.G.F. (Polypropylene with glass fibers)

P.A. (Polyamid)

E.P.D.M. (Ethylene propylene diene monomer)

N.B.R. (AcryloNitrile Butadiene Rubber)



Operativeness and effectiveness to insure a perfect efficiency

-**HIDROTEL SA.** with its model of aspiration valve (floating system), provides a range of products to the market aimed to bestow top effective valves to the professional, through a sound manufacturing and high quality raw materials.

Nomenclature and materials

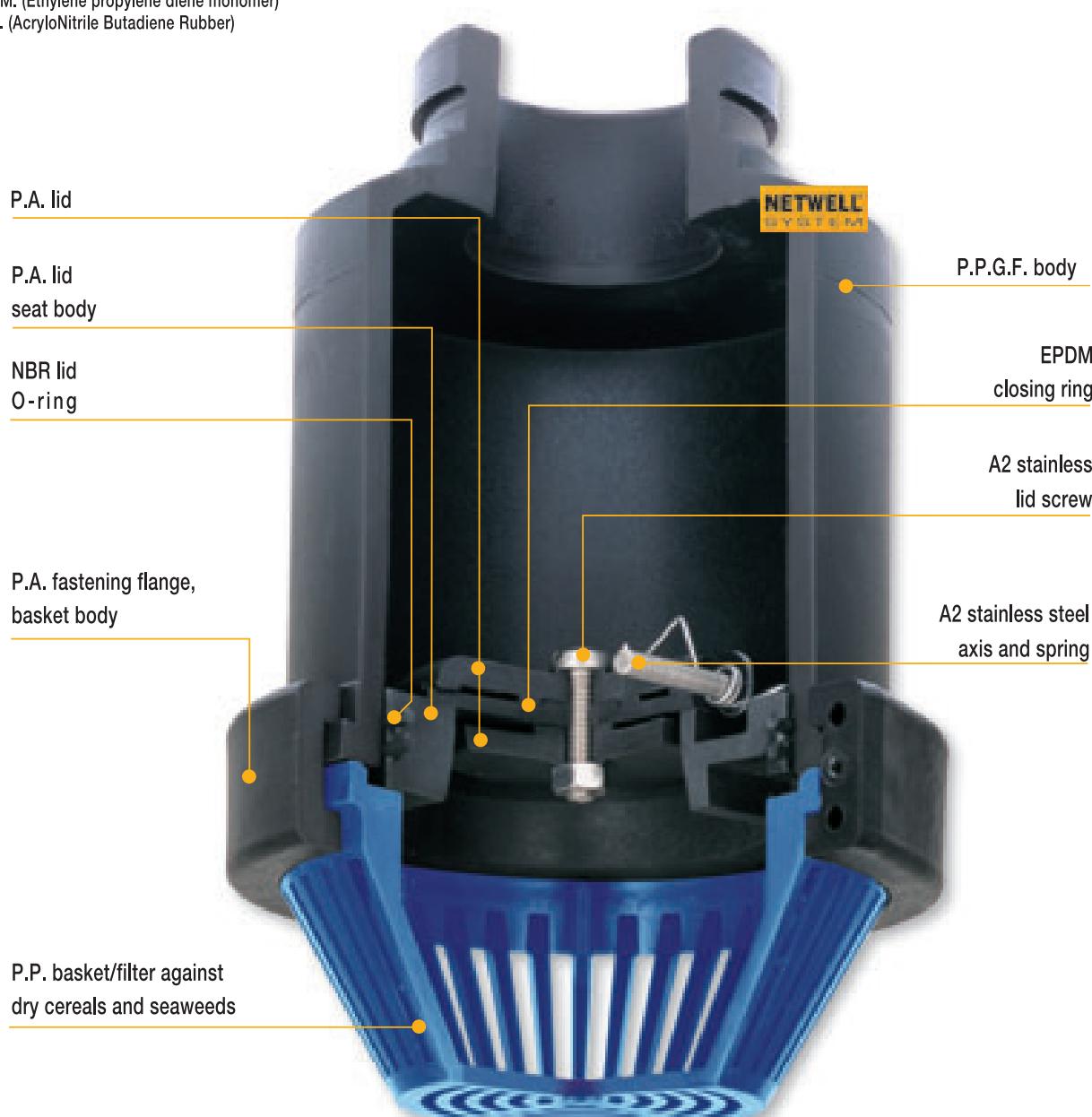
A2 STAINLESS STEEL

P.P.G.F. (Polypropylene with glass fibers)

P.A. (Polyamid)

E.P.D.M. (Ethylene propylene diene monomer)

N.B.R. (AcryloNitrile Butadiene Rubber)



MODULAR FLOATING VALVE SECTION,
WITH NETVITC OUTLET



Acces. presión NETVITC SYSTEM®.
 Acces. presión encolar, PVC
 Acces. presión mixtos PVC
 Bridas y enlaces NETVITC®
 Bridas y Portabridas
 Collarines toma
 Collarines bisagra, PPFV
 Accesorios roscados, P.P.
 Acc. para tubos de polietileno
 Acc. de latón.
 Electrofusión/ Soldadura a tope
 Válv. mariposa.
 Válv. mariposa
 Válvulas de bola
 Válv. de retención SYSTEM®
 Válv. aspiración NETWELL®
 Válv. de retención lineal SYSTEM/NETVITC®
 Válvula antirretorno de enlace
 Ventosas NET®
 Válvulas de asiento inclinado
 Goteros
 Acces. microirrigación
 Filtros
 Visor de líquidos
 Adhesivo PVC
 Gran Evacuación

NETVITC SYSTEM® PVC. Pres. fittings.

PVC. Pres. glued fittings.

PVC. Pres. glued-thread fittings.

NETVITC® Flange-coupling.

Flanges and Adaptors.

Clamp saddles.

GFRP. Hinged sleeves.

P.P. Threaded fittings.

P.P. Fittings.

Brass pressure Fittings.

Electrofusion fittings / Welding fittings

Butterfly valves NETVITC SYSTEM®.

Ball valves.

SYSTEM® Check valves.

NETWELL® Aspiration valves.

Lineal check valve.

Check (non return) valve with spring.

NET® Air release valve.

Angle seat valves.

Drip irrigation.

Micro-irrigat. fittings.

Filter.

Fluids display socket.

PVC. Glue and cleaner.

Drainage.

Acc. Pression NETVITC SYSTEM®, PVC.

Acc. Pression à coller, PVC.

Acc. Pression mixtes PVC.

Brides et unions NETVITC®.

Brides et porte brides.

Colliers de prise.

Colliers charnière, PPFV.

Accessoires filetés, P.P.

Acces. pour tuyauterie P.E.

Accessoires pression de laiton.

Accessoires Electrofusion/ Raccords à soudure bout à boute

Vanne de retenue linéal.

Vannes de retenue SYSTEM®.

Vannes de aspiration NETWELL®.

Robinets sphériques.

Vannes à papillon.

Vannes à papillon NETVITC SYSTEM®.

Goutte à goutte.

Vannes de dégagement d'air NET®.

Vannes à soupape à tête inclinée.

Acc. Micro irrigation.

Filtres.

Voyant de contrôle.

Colle et decapant PVC.

Evacuation.



NETWELL SYSTEM® es marca registrada
 propiedad de S.N.S.A.
 Productos fabricados en la U.E. por HIDROTEL S.A.
 bajo licencia y tecnología de S.N.S.A.
NETWELL SYSTEM® is registered mark and property
 of S.N.S.A.
 Manufactured in the U.E. by HIDROTEL S.A.
 under its license and technology of S.N.S.A.
NETWELL SYSTEM® marque déposée et propriété
 de S.N.S.A.
 Fabriqué dans l'U.E. par HIDROTEL S.A. avec licence
 et technologie de S.N.S.A.



HIDROTEL S.A. EMPRESA COLABORADORA EN LA PROTECCIÓN DEL MEDIO AMBIENTE.

HIDROTEL S.A. COLABORATES IN THE PROTECTION OF THE ENVIRONMENT.

Hidroten®

Sistemas y Tecnología del agua/Water System Technology



HIDROTEL, S.A.

Polig. I. Plá Vallonga, c/ 7
 03006 ALICANTE (España)

Telfs. 965 11 42 82

Fax: 965 11 48 62

INTERNACIONALES

Telfs. +34 965 11 42 82

Fax: +34 965 11 48 62

<http://www.hidroten.es>

e-mails:

comercial@hidroten.es

administracion@hidroten.es

tecnico@hidroten.es

technicocomercial@hidroten.es

export@hidroten.es

publicidad@hidroten.es

