

PE Fittings
Butterfly valves
Motorized Butterfly valves
Ball valves
Check valves
Hinged sleeves
Clamp saddles
Flanges and Adaptors
PVC Pressure glued-thread fittings
PP Threaded fittings
Filter
Branch valve
Micro-irrigation fittings
Drip irrigation

Check valve SYSTEM®

Family **13**

Three better options that the market offers you until now

HIDROTEN presents to the market one of the most complete range in Check valves. These products incorporate, design, volume and density technology in their materials.

•Our valves with no maintenance needs are designed and formed to give the maximum long operativity.

with the maximum operativity and safety

Ø75/250+flanges
P.P.G.F.- Inox.

Spring auto lock
and indicator position

Spring
auto lock

"Free" flap



NETWELL SYSTEM

New technologies

General applications:

-These valves will allow only one way to the flow by closing the valve in case of fluids return. There is a wide range of check valve within the families 13, 15 and 16 that will make the installations more reliable.

As an example, this valves may be used before the filtration plants in irrigation in order to not allowing the water leaked with fertilizer and chemicals to get unix with the clean one.

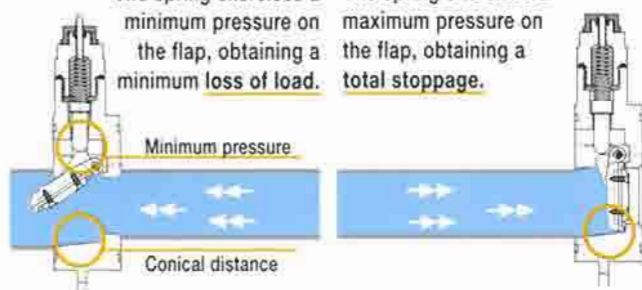
To guarantee two positions

Open

The spring exercises a minimum pressure on the flap, obtaining a minimum loss of load.

Closed

The spring exercises a maximum pressure on the flap, obtaining a total stoppage.



With the minimum loss of load

Basic features:

- Nominal diameters: 80 to 225 mm. (Ø pipe; from 75 to 250)
- Minimum pressure loss the spring loaded version spring torque due to the unique design of the spring and spring housing assembly.
- Double bodied security flap.
- Avoid the possibility of product hammer.

The most advanced Technology

-The valves which we present incorporate the latest and most advanced system for the control of fluid retrogression, these valves are designed and formed to the highest performance.

The ideal materials

-All the materials used in the making of our valves are anticorrosive and anti oxidant, which guarantee their durability and that they remain unaffected by the pass age of time.

-Flap Oring seal made with EPDM (Ethylene-Propylene-Polymer) ensures a total stoppage of 100%

With three types of activity

Free flap.

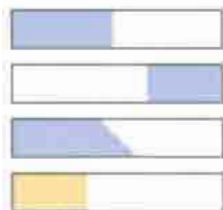
Check valve with "Spring Auto Lock".

Check valve with "Spring Auto Lock and indication position".



Technical features:

Nominal pressures



-From 75 to 140 mm.Ø : P.N. 16 to 20°.

-From 160 to 250 mm Ø : P.N. 10 to 20°.

Closure flap pressure: 0,1 bar.

-Maximum temperature: 50°C.

Usages and recomendations

-Usage of standard piping according to UNE 1452, (PVC) and UNE 53131 (PE).

-When mounting a valve near to a motor extreme proximity should be avoided. At least five times the pipe length should be calculated.

-The valves come with four lugs which make for easy collocation of the screws.

-Easy and rapid collocation of flange.

-Specialist tools are not needed for mounting.

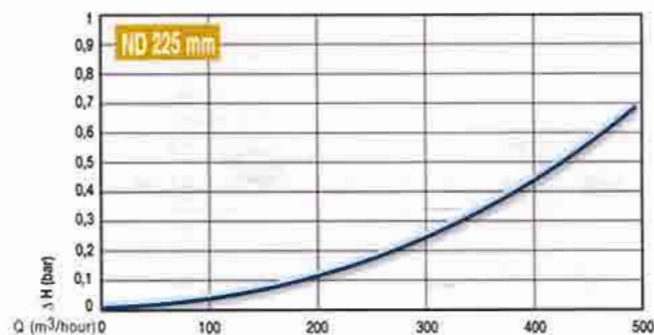
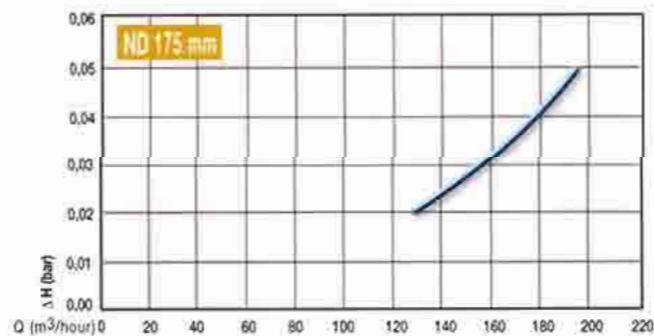
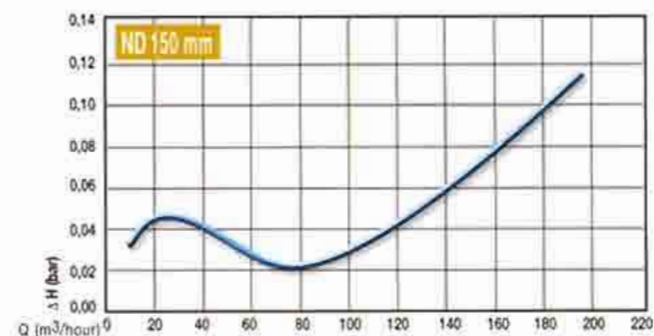
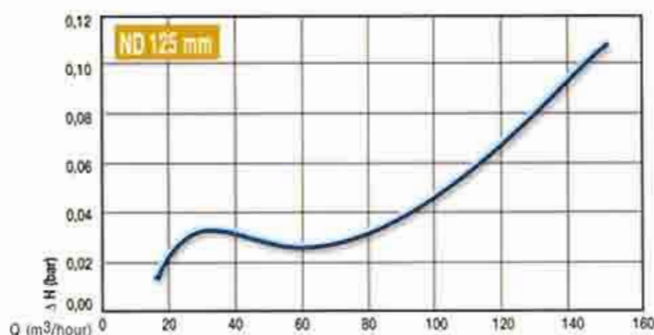
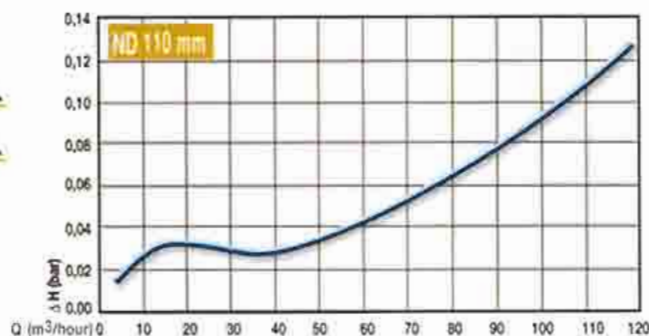
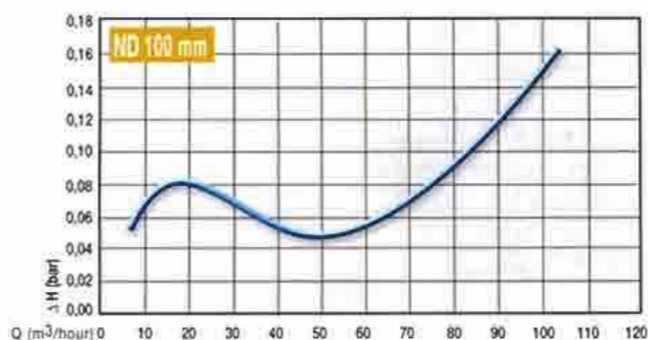
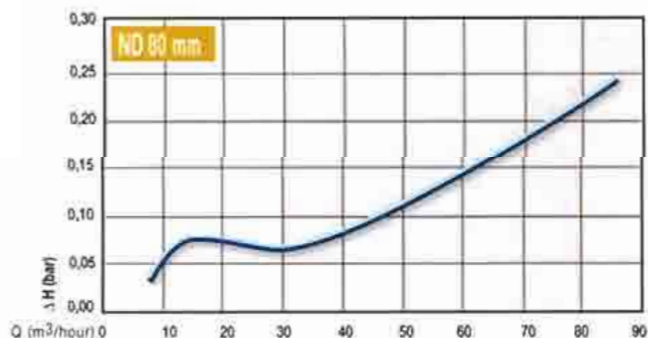
- Wipe away spare glue zones.



Graphs showing loss of load:

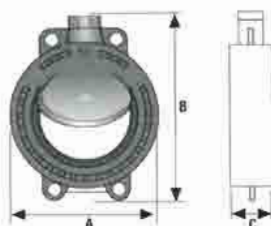
Curves showing loss of load (ΔH) compared to flow (Q) for different opening of check valves HIDROTEN,S.A.

Decimal scale.



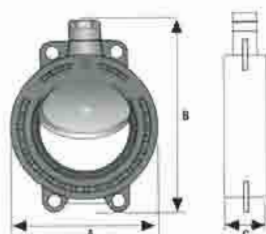
Range of products

SYSTEM® check valve



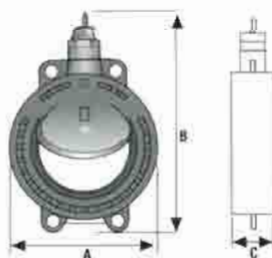
CODE	A Ø	D.N.	WEIGHT GRS. UNIT	A	B	C
13002	90	80	620	130	201	58
13003	110	100	753	151	220	59
13004	125	110	1.042	170	236	67
13005	140	125	1.394	190	255	73
13006	160	150	2.000	217	275	80
13007	200/225	175	2.890	250	321	89
13008	250	225	6.450	322	385	128

SYSTEM® check valve with spring auto lock



CODE	A Ø	D.N.	WEIGHT GRS. UNIT	A	B	C
13012	90	80	666	130	214	58
13013	110	100	800	151	232	59
13014	125	110	1.093	170	248	67
13015	140	125	1.445	190	265	73
13016	160	150	2.052	217	284	80
13017	200/225	175	2.942	250	332	89
13018	250	225	6.650	322	385	128

SYSTEM® check valve, spring auto lock and position indication



CODE	A Ø	D.N.	WEIGHT GRS. UNIT	A	B	C
13022	90	80	675	130	236	58
13023	110	100	808	151	257	59
13024	125	110	1.103	170	275	67
13025	140	125	1.455	190	292	73
13026	160	150	2.062	217	312	80
13027	200/225	175	2.950	250	344	89
13028	250	225	6.850	322	385	128

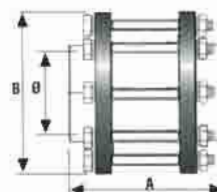
Flange sets basic features.

- Conical seat are reinforcement to give a perfect settlement between flange and adaptors.
- Avoid breakage problem of blade due to pressure of flange against adaptors.
- The EVA seals between the flanges ensure a perfect water tight. By following the order of tightening at marked on the flanges.



Nomenclature and materials

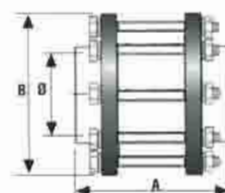
- 1.- (P.V.C.) Adaptors
- 2.- (P.V.C.) Flanges.
- 3.- BICHROMATED iron bolts



Conical flange set.

CODE	A Ø	D.N.	WEIGHT GRS. UNIT	A	B
10319	75	65	3.920	177	200
10305	90	80	4.256	196	200
10306	110	100	5.002	205	220
10307	125	110	5.533	231	230
10308	140	125	6.512	257	250
10309	160	150	9.804	280	285
10325	200-PN 10	175	13.382	327	340
10326	225	200	12.172	354	330
10317	250	225	19.674	398	399

FLANGES AND ADAPTORS IN PLAIN VERSION



Imperial Flange set.

CODE	A Ø	D.N.	WEIGHT GRS. UNIT	A	B
10469	1 1/2"	65	3.920	177	200
10470	3"	80	4.035	178	200
10471	4"	100	4.930	206	220
10472	5"	125	6.424	246	250
10473	6"	150	9.225	275	285
10474	8"	175	12.410	351	340
10475	10"	225	20.050	398	399

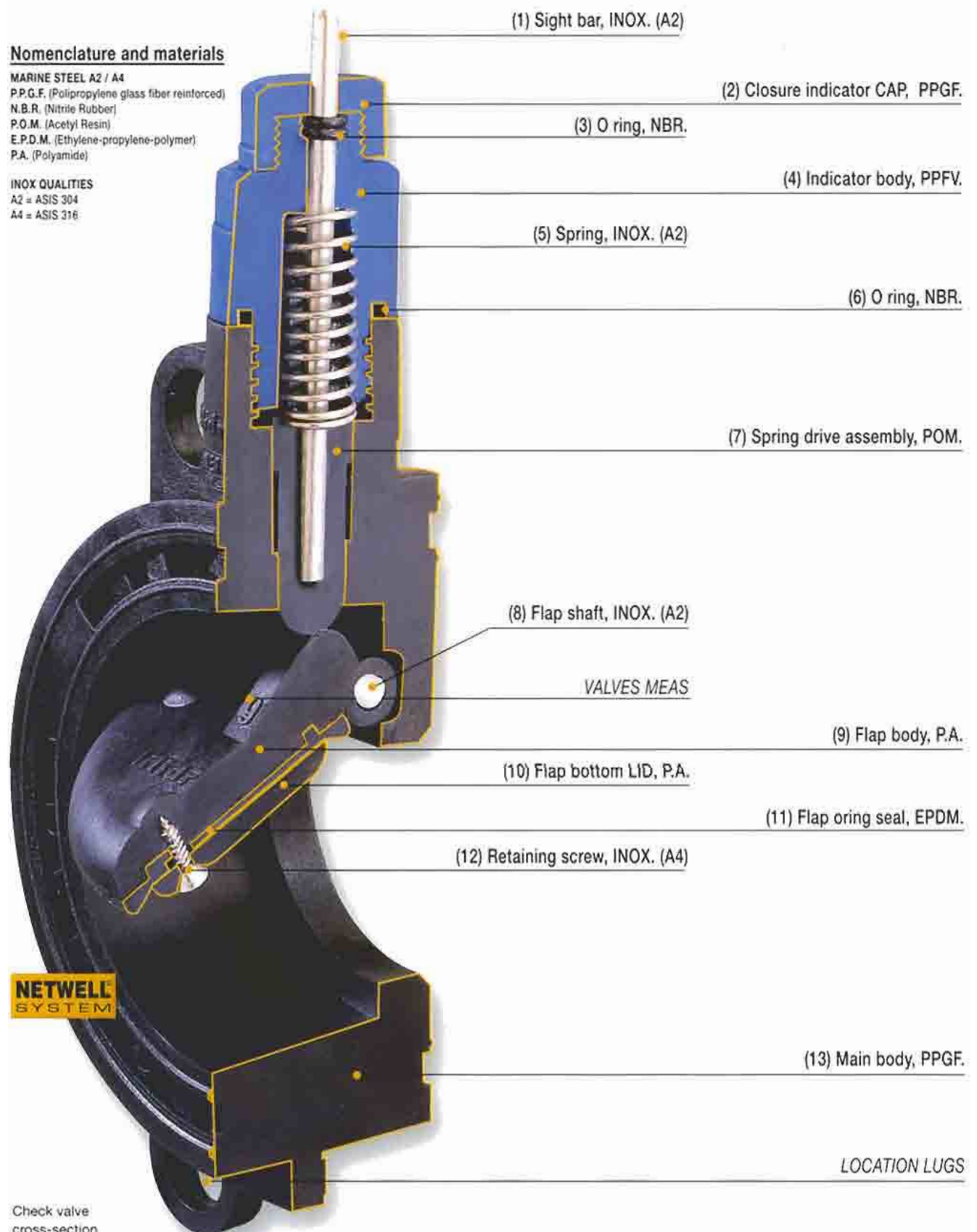
For long lasting hard work.

-In the design and development of our valves it has been of utmost importance to present to the market a range with three basic operative options, offering a durability which until now has had no precedent. Valves for continuous hard work with no maintenance needs.

Nomenclature and materials

MARINE STEEL A2 / A4
P.P.G.F. (Polipropylene glass fiber reinforced)
N.B.R. (Nitrile Rubber)
P.O.M. (Acetyl Resin)
E.P.D.M. (Ethylene-propylene-polymer)
P.A. (Polyamide)

INOX QUALITIES
A2 = AISI 304
A4 = AISI 316



NETWELL
SYSTEM



Acces. presión encolar, PVC
 Acces. presión mixtos PVC
 Bidas y enlaces NETVITC®
 Bidas y Portabidas
 Collarines toma
 Collarines bisagra. PPFV
 Accesorios roscados, P.P.
 Acc. para tubos de polietileno
 Acc. latón para tubos de polietileno
 Válv. mariposa.
 Válvulas de bola
 Válv. de retención SYSTEM®
 Válv. aspiración NETWELL®
 Válv. de retención lineal. SYSTEM/NETVITC®
 Válvula antirretorno de enlace
 Goteros
 Acces. microirrigación
 Filtros
 Visor de líquidos
 Adhesivo PVC

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
Butterfly valves
Ball valves
SYSTEM® Check valves
NETWELL® Aspiration valves
Lineal check valve.
Check (non return) valve with spring
Drip irrigation
Micro-irrigat. fittings
Filter.
Fluids display socket
PVC. Glue and cleaner



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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 tuyauteries P.E.
 Vanne de retenue linéal.
 Vannes de retenue SYSTEM®
 Vannes de aspiration NETWELL®
 Robinets spheriques
 Vannes à papillon.
 Goutte à goutte
 Acc. Micro irrigation
 Filtres
 Voyant de controle
 Colle et decapant PVC

Hidroten®

Sistemas y Tecnología del agua/Water System Technology



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