ANBER GLOBE S.A.
EQUIPOS CONTRA INCENDIOS

DRY COLUMN HYDRANT
SUPERTIFON

The Anber Globe SUPERTIFON dry hydrant meets current UNE 14384:2006 and are now CE approved also by the Spanish certification center AENOR.

Solutions for all kind of installations, with a number of different combinations.

GENERAL CHARACTERISTICS

Available in 3" (80 mm), 4" (100 mm) and 6" (150 mm) with any flange type.

The hydrant bonnet can be rotated 360º to any position, for easy outlet positioning without adversely affecting tightness. Once the hydrant is fully installed, the connection screws between the bonnet and barrel can be easily loosened to prevent the outlets from facing a wall, away from the access, etc.

In option, the SUPERTIFON can be manufacture with an oil reservoir to garantee the internal mechanism to be operating if exposed to special and corrosive environments.

The outlets of the SUPERTIFON are set at a 15º angle to avoid collapsing the hoses.

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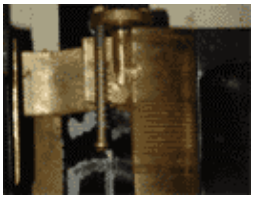
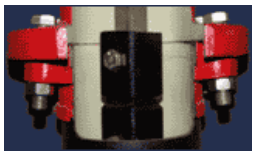
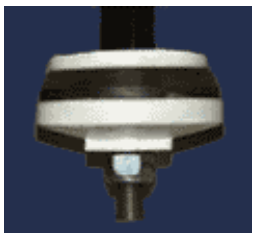


Frost-free System (Automatic Drain): This model is equipped with a device which AUTOMATICALLY DRAINS any water in the standpipe when the main valve is closed, preventing frost damage.



Break-resistant System (Managed Breakage): The hydrant is also equipped with a device similar to a fuse which, in the case of a heavy blow, will break where the body is connected to the barrel, releasing the main valve which will automatically remain closed because of the water pressure, **THEREBY ENSURING FULL TIGHTNESS WITHOUT THE NEED FOR AUXILIARY COMPONENTS.**



The main valve of the SUPERTIFON model protects pipe integrity throughout the entire hydrant network, and includes a **HAMMER ARRESTER** to prevent the vibration caused by the air that inevitably remains in the pipes.

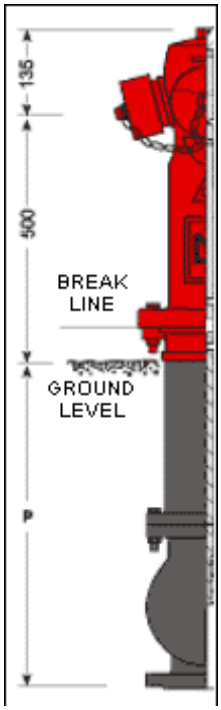
In addition to easy maintenance, the design and measurements allow the seal assembly to be removed in the case of internal damage without the need to dig around the hydrant.

The special paint and finish process is a feature that puts our hydrants ahead of all the others. The first step of this process consists of applying a synthetic zinc phosphate primer that keeps the paint from peeling. Then, a polyurethane layer of up to 250 microns is used to achieve a durable color and impact-resistant finish.

DISCHARGE FACTORS	
Drain outlets	Nominal k factor (metric)
1 boca de 45 mm	800
2 bocas de 45 mm	1300
1 boca de 70 mm	1900
2 bocas de 70 mm	3000
1 boca de 100 mm	3300

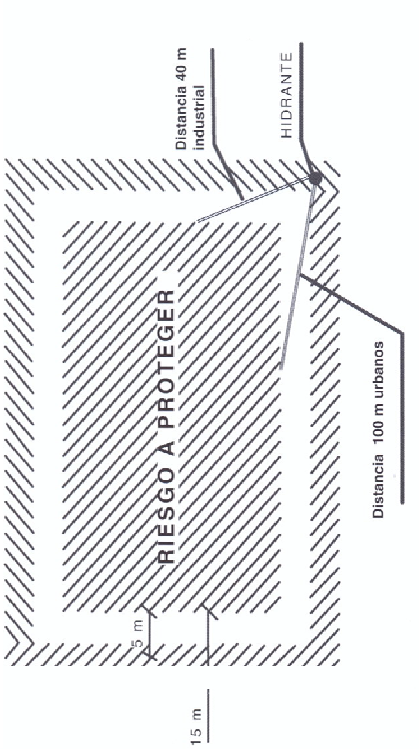
DEPTH TABLES

VERTICAL	HORIZONTAL
350	500
490	625
640	775
790	925
1080	1215
1380	1515



DISTRIBUTION

For a good distribution of hydrants in relation to the building to protect, it is necessary to consider the following:



- The distance between each hydrant and the facade of the protected area must be between 5 and 15 meters
- To consider an area protected by hydrants, the distance to any hydrant will be less than 100 meters in urban areas and 40 meters in the rest, always real distance
- In industrial zones, there must be a hydrant accessories cabinets at least 40m of real distance of each hydrant.
- The hydrants should be located in places easily accessible outside spaces for the movement and parking of vehicles and clearly marked as such. It is imperative to ensure that there is such a height that hoses can be connected easily.
- When the level of groundwater is above the drain valve, this should plug before installation. In these cases, if these areas re in danger of frost, the water column should be removed by other means after each use. It is advisable to check these hydrants to indicate this need.

INSTALLATION

Anber Globe recommends to follow six simple steps to avoid problems at the facility:

1.- Avoid hitting or damaging the connection flange when handling the hydrant. Keep the hydrants closed until installation.

2.- Make sure there is nothing in the pipes or the hydrant outlets that could hinder water flow or damage the main valve.

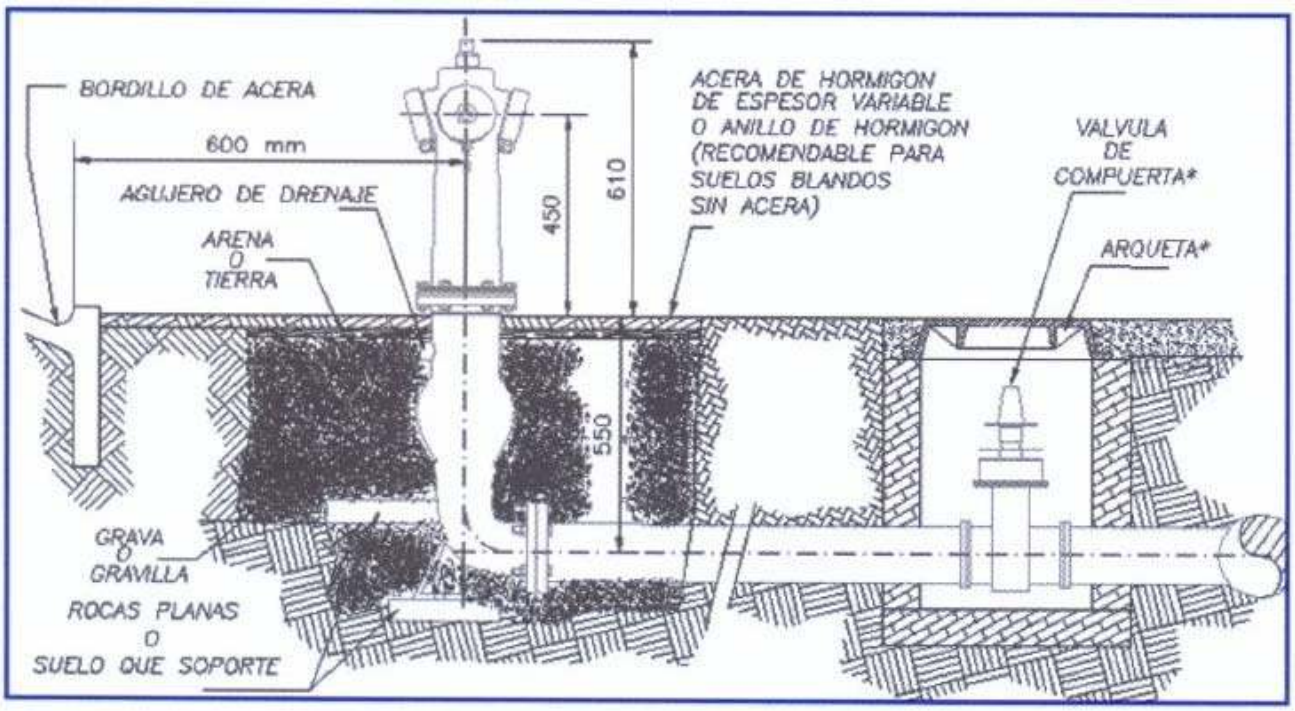
3.- If it is a horizontal hydrant, the elbow must rest on a surface capable of supporting its weight, to avoid collapsing. It should be also fixed on the opposite side of the entry of the water to reduce the tension that produces its thrust right after the opening of the valve.

4.- The hydrant must be firmly buried, especially where there is no concrete on sidewalks to help holding it. This point is extremely important to ensure that in case of strong impact, the break-resistant system comply with its function, avoiding damages to the connections and the main network.

5.- The closure should be buried in sand or gravel, so that the water column can be drained quickly.

6.- After the hydrant has been installed and the hydrostatic test completed, the hydrant must be filled and checked to made sure that it is working properly.

- **a.** First remove one of the outlets caps, then open the respective hydrant valve fully in order to flush out any sediment that might remain from the installation.
- **b.** After closing the hydrant valve and positioning the outlets cap back, open the hydrant and check that there are no water leaks in any of the seals.



ANBER GLOBE S. A.
EQUIPOS CONTRA INCENDIOS

MAINTENANCE

The hydrants should be inspected at least twice a year, in spring and fall.
The inspections must be done at the following points:

1. Visually inspect the overall appearance of the entire hydrant, as well as the condition of the operating nuts, couplings outlets and caps

2. Make sure the valve is closed, then check that the body is waterlight at the installation pressure.

3. Make sure the valve is open and the outlet caps are in position, then check that there are no leaks from the gasket, couplings outlets and caps. It is important to make sure that all air is removed before the hydrant is pressurized, using decompression caps of the plugs or loosening the caps.

4. Remove the caps, open each of the hydrant valves completely and check that water flows freely. It is important to make sure that the water does not cause any damage around.

5. Close the valve slowly and fully.

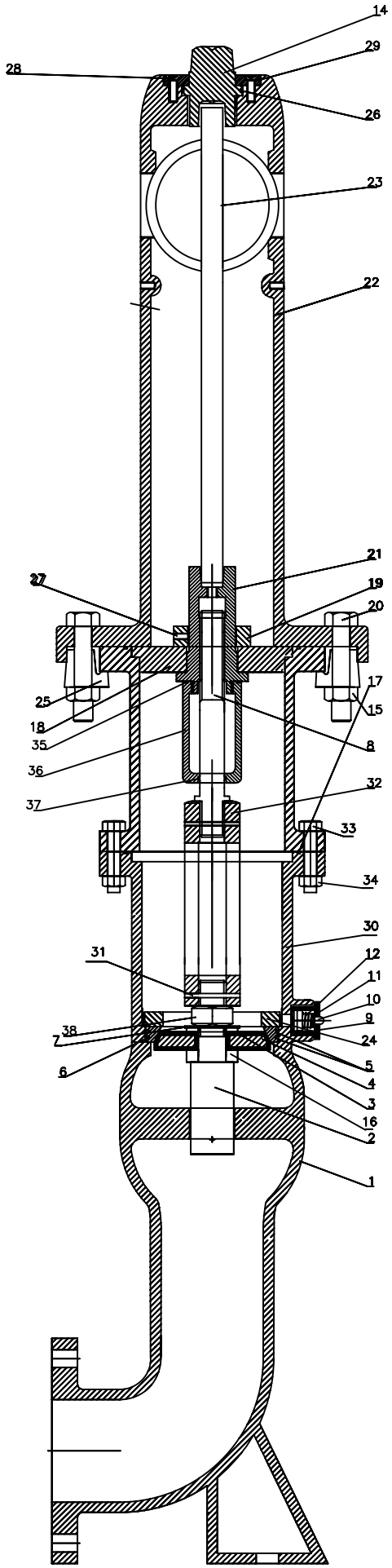
6. Lubricate the stem threads and the operating nut

7. Clean and lubricate the threads of the vandal-resistant plugs, repositioning them and then tightening them enough to prevent removal by hand.

8. Clean the outside of the hydrant and repaint if necessary.

9. Make sure that all the valves of the hydrant ring are fully open.

10. Record all operations.



38	1	TUERCA M-27	COMERCIAL	HQX8006	
37	1	TORICA 24X2	COMERCIAL	HQX8014	
36	1	CARTER DE ACEITE	ALEACCION DE COBRE	H89510	
35	1	TORICA 47X2	COMRERCIAL	HQX8013	
34	6	TUERCA M-12	COMERCIAL	HQX8012	
33	6	TORNILLO M12X65 C/EXAGONAL	CALIDAD 8-8	HQX8017	
32	1	EJE INFERIOR 2° TRAMO	F-111 CALIBRADO	HQA-9058	
31	2	PASADOR ELASTICO D/8 LONG 40	AC.INOX	HQ-9100	
30	1	CARRETE	GJL-200-EN-1503-3	S/LONGITUD	
29	1	TAPA SUPERIOR TIFON PLUS	F-111	HQ-9250	
28	4	TORNILLO TAPA SUPERIOR TIFON PLUS	ALLEN AVELLANADO INOX M8x30	X9415	
27	1	PRISIONERO ALLEN	COMERCIAL M8x12	X8009	
26	1	JUNTA TORICA TAPA INTERIOR/CUERPO	55x2.5	HQ-8020	
25	6	UÑA	GJL-200-EN-1503-3	HQ-9010	
24	1	TUERCA SUJEC ARO DE CIERRE	ALEACCION DE COBRE	HQ-9486	
23	1	SEMIEJE SUPERIOR	F - 111 CALIBRADO	HQ-4230	
22	1	CUERPO HTE TIFON 3 BOCAS	GJL-200-EN-1503-3	[illegible]	
21	1	TUERCA HUSILLO	ALEACION DE COBRE	H89020A	
20	6	TORNILLO CUERPO/CIERRE	HEXAGONAL M-16x80	X9440	
19	1	CONTRATUERCA HUSILLO	ALEACION DE COBRE	HQ-9021	
18	1	ARANDELA SUJECCION TUERCA HUSILLO	GJL-200-EN-1503-3	HQ-9022	
17	2	JUNTA TORICA CIERRE	NITRILO 172x3	X8016	
16	1	SUPLEMENTO INFERIOR	F-211 CALIBRADO	HQ-9080	
15	6	TUERCA CUERPO/CARRETE	HEXAGONAL M16	X9470	
14	1	CASNIDO DE ACCIONAMIENTO	ALAEACCION DE COBRE	HQ-0025	
13	1	PASADOR INTERIOR DRENAJE	ALEACION DE COBRE ø2	HR9492	
12	1	MUELLE VALVULA DRENAJE	COMERCIAL ø15xø14x15x4 HILOS	HR9281	
11	1	JUNTA VALVULA DE DRENAJE	NEOPRENO 60 SHORES	HR9493	
10	1	ENVOLO VALVULA DE DRENAJE	NAYLON	HR9495	
09	1	RACOR VALVULA DE DRENAJE	ALEACION DE COBRE	HR9491	
08	1	HUSILLO	ALEACCION DE COBRE	HQA-9099	
07	1	ARANDELA DE ALUMNO DE OBTURADOR	øINT 27	X8007	
06	1	ARO DE CIERRE	ALEACION DE COBRE	HQ-9110	
05	2	JUNTA TORICA DE ARO DE CIERRE	ø124x3.5	X8004	
04	1	OBTURADOR	CAUCHO SINTETICO	H89210	
03	2	ARANDELA OBTURADOR	COMERCIAL ø27	X9015	
02	1	TRAMO 1° EJE INFERIOR	ALEACION DE COBRE	HQ-9057	
01	1	CIERRE CURVO TIFON PLUS	GJL-200-EN-1503-3	HQ-9021	

					Kgs
1	Se pone tuerca M-27 se modifica la longitud de los ejes	18.09.08			

	Dibujado	Revisado	Aprobado			
Fecha	03-05-07	03-05-07		ANBER GLOBE S.A.	R. I. :	Nº de piezas 1
Firma	E.B					

Escalas 1/1	Denominación HIDRANTE TIFON 3 BOCAS CURVO CON CARRETE Y ACEITE	Nº
		Sustituye a:
		Sustituido por:

AENOR Asociación Española de Normalización y Certificación

CERTIFICADO DE CONFORMIDAD CE

EC Certificate of conformity

0099/CPD/A40/0097

En virtud del Real Decreto 1630/1992, de 29 de diciembre, modificado por el Real Decreto 1328/1995, de 28 de julio, por el que se dictan disposiciones para la aplicación de la directiva 89/106/CEE del Consejo de las Comunidades Europeas, de 21 de diciembre de 1988, relativa a la aproximación de las disposiciones legales, reglamentarias y administrativas de los Estados Miembros sobre los productos de construcción, se ha verificado que el

In application of the Royal Decree 1630/1992 of 29 December 1992, as amended by Royal Decree 1328/1995 of 28 July 1995, relative to the application of the directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive), it has been stated that the

Producto: **HIDRANTES DE COLUMNA**
Product ***PILLAR FIRE HYDRANTS***

Referencias: ***ver anexo***
References: *see annex*

Norma: **UNE-EN 14384:2006 (EN 14384:2005)**
Standard:

Suministrado por: **ANBER GLOBE, S.A.**
Supplied by **AV DE LAS FLORES 13-15 PARQUE EMPRESARIAL EL MOLINO**
28970 HUMANES DE MADRID (Madrid - ESPAÑA)

Fabricado en: **AV DE LAS FLORES, 13-15 PARQUE EMPRESARIAL EL MOLINO**
Manufactured in **28970 HUMANES DE MADRID (Madrid - ESPAÑA)**

se somete por el fabricante a un control de producción en fábrica y al ensayo posterior de las muestras tomadas en la fábrica de acuerdo con un plan de ensayo preestablecido y que el organismo notificado AENOR ha llevado a cabo el ensayo de tipo inicial del producto, la inspección inicial de la fábrica y del control de producción en fábrica y que realiza el seguimiento periódico, la evaluación y la aprobación del control de producción en fábrica. Este certificado indica que se han aplicado todas las disposiciones relativas a la evaluación de la conformidad descritas en el Anexo ZA de la norma mencionada arriba y que el producto cumple todos los requisitos mínimos. Este documento faculta al fabricante para fijar el marcado CE. Este certificado es válido salvo anulación o retirada por AENOR.

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body AENOR has performed the initial type-testing of the product, the initial inspection of the factory and of the factory production control and performs the periodic surveillance, assessment and approval of the factory production control. This certificate attests that all provisions concerning the attestation of conformity described in Annex ZA of the above mentioned standard were applied and that the product fulfils all the minimum prescribed requirements. This document allows the manufacturer to affix the CE marking. This Certificate remains valid unless cancelled or withdrawn by AENOR

Fecha de concesión: **2009-04-15**
Date of first issue:

AENOR Asociación Española de Normalización y Certificación

Ramón NAZ PAJARES
El Director General/General Manager

CERTIFICADO DE CONFORMIDAD CE

EC Certificate of conformity

0099/CPD/A40/0097

ANEXO

ANNEX

Marca comercial *Trade Mark*	Modelo *Reference*	Toma *Inlet connection*	PN / DN	Rango de par *Torque range*	Designación *Designation*	Bocas *Outlets*
SUPERTIFON	HSHSU33C12UU	HORIZONTAL	16 bar / 80 mm	2	C	1 x 70 mm; 2 x 45 mm
SUPERTIFON	HSHSU33C3UU	HORIZONTAL	16 bar / 80 mm	2	C	1 x 70 mm; 2 x 45 mm
SUPERTIFON	HSHSU33C7UU	HORIZONTAL	16 bar / 80 mm	2	C	1 x 70 mm; 2 x 45 mm
SUPERTIFON	HSHSU33C8UU	HORIZONTAL	16 bar / 80 mm	2	C	1 x 70 mm; 2 x 45 mm
SUPERTIFON	HSHSU33C9UU	HORIZONTAL	16 bar / 80 mm	2	C	1 x 70 mm; 2 x 45 mm
SUPERTIFON	HSHSU33CCUU	HORIZONTAL	16 bar / 80 mm	2	C	1 x 70 mm; 2 x 45 mm
SUPERTIFON	HSHSU33R12UU	VERTICAL	16 bar / 80 mm	2	C	1 x 70 mm; 2 x 45 mm
SUPERTIFON	HSHSU33R2UU	VERTICAL	16 bar / 80 mm	2	C	1 x 70 mm; 2 x 45 mm
SUPERTIFON	HSHSU33R3UU	VERTICAL	16 bar / 80 mm	2	C	1 x 70 mm; 2 x 45 mm
SUPERTIFON	HSHSU33R7UU	VERTICAL	16 bar / 80 mm	2	C	1 x 70 mm; 2 x 45 mm
SUPERTIFON	HSHSU33RAUU	VERTICAL	16 bar / 80 mm	2	C	1 x 70 mm; 2 x 45 mm
SUPERTIFON	HSHSU33RSUU	VERTICAL	16 bar / 80 mm	2	C	1 x 70 mm; 2 x 45 mm
SUPERTIFON	HSHSU43C12UU	HORIZONTAL	16 bar / 100 mm	2	C	1 x 100 mm; 2 x 70 mm
SUPERTIFON	HSHSU43C3UU	HORIZONTAL	16 bar / 100 mm	2	C	1 x 100 mm; 2 x 70 mm
SUPERTIFON	HSHSU43C7UU	HORIZONTAL	16 bar / 100 mm	2	C	1 x 100 mm; 2 x 70 mm
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SUPERTIFON	HSHSU43CCUU	HORIZONTAL	16 bar / 100 mm	2	C	1 x 100 mm; 2 x 70 mm
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SUPERTIFON	HSHSU63R12UU	VERTICAL	16 bar / 150 mm	2	C	1 x 100 mm; 2 x 70 mm
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AENOR Asociación Española de Normalización y Certificación

AENOR Asociación Española de Normalización y Certificación

CERTIFICADO AENOR DE PRODUCTO Nº 012 / 002748

AENOR PRODUCT CERTIFICATE Nº

2009-02-25

La Asociación Española de Normalización y Certificación (AENOR) certifica que el producto
The Spanish Association for Standardisation and Certification (AENOR) certifies that the product

HIDRANTES DE COLUMNA

PILLAR FIRE HYDRANTS

detallado en la(s) página(s) siguiente(s), detailed in the following page(s),

suministrado por supplied by

ANBER GLOBE, S.A.
AV DE LAS FLORES 13-15 PARQUE EMPRESARIAL EL MOLINO
28970 HUMANES DE MADRID (Madrid - ESPAÑA)

y elaborado en and manufactured in

AV DE LAS FLORES, 13-15 PARQUE EMPRESARIAL EL MOLINO
28970 HUMANES DE MADRID (Madrid - ESPAÑA)

es conforme con complies with

UNE-EN 14384:2006 (EN 14384:2005)

Para conceder este Certificado, AENOR ha ensayado el producto y ha comprobado el sistema de la calidad aplicado para su elaboración. AENOR realiza estas actividades periódicamente mientras el Certificado no haya sido anulado, según se establece en el Reglamento Particular RP 12.03.

In order to grant this Certificate, AENOR has tested the product and has verified the quality system used in its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with the stipulations of the Specific Rules RP 12.03.

Fecha de concesión: **2009-02-25**
First issued on:

Fecha de caducidad: **2014-02-25**
Expires on:

AENOR Asociación Española de Normalización y Certificación
El Director General de AENOR
General Manager

AENOR - Génova, 6 - 28004 MADRID - Teléfono 914 32 60 00 - Telefax 913 10 46 83

CERTIFICADO AENOR DE PRODUCTO Nº 012 / 002748

AENOR PRODUCT CERTIFICATE Nº

Marca comercial Trade Mark	Modelo Reference	Toma Inlet connection	PN / DN	Rango de par Torque range	Designación Designation	Bocas Outlets
SUPERTIFON	HSHSU33CCUU	HORIZONTAL	16 bar / 80 mm	2	C	1 x 70 mm; 2 x 45 mm
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SUPERTIFON	HSHSU63R2UU	VERTICAL	16 bar / 150 mm	2	C	1 x 100 mm; 2 x 70 mm
SUPERTIFON	HSHSU63R3UU	VERTICAL	16 bar / 150 mm	2	C	1 x 100 mm; 2 x 70 mm
SUPERTIFON	HSHSU63R7UU	VERTICAL	16 bar / 150 mm	2	C	1 x 100 mm; 2 x 70 mm

AENOR Asociación Española de Normalización y Certificación