springline

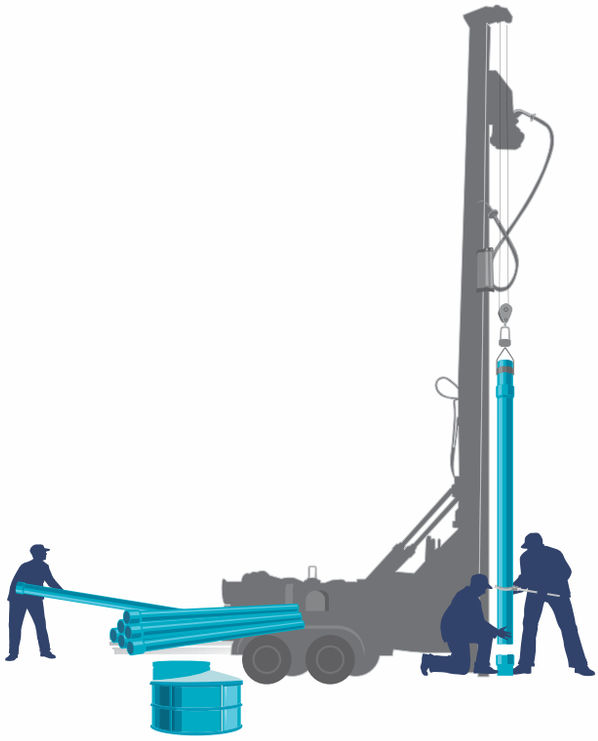
drilling system for water wells

VALPLAST®

ÎN JURUL TĂU

basicline

indoor and outdoor sewage system



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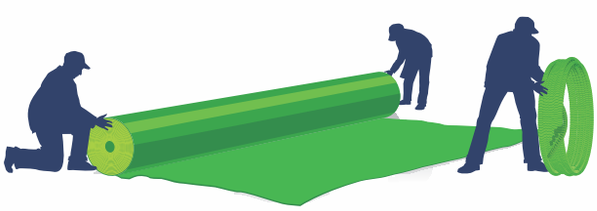
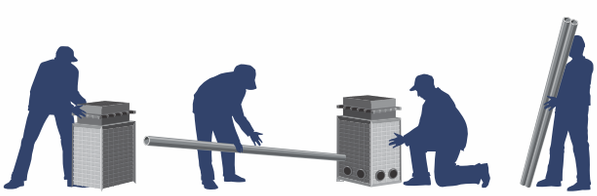


drainline

drainage systems



cableline

cable protection systems

content

May 2018

about

Valplast Industrie is one of the leading manufacturers of pipes and complete PVC systems based in Romania.

The company successfully combines advanced technology with superior customer service to create sophisticated and diverse product range.

Valplast Industrie produces a wide range of solutions including plastic sewers, water well pipes, drain pipes, pressure pipes, pipes for protection of electrical and telecommunication cables and composite manhole covers. Valplast Industrie is a well known brand, recognized for the high quality of products.

Mission

We provide complete solutions for bringing back the water in nature.

Vision

In Romania, Valplast Industrie aims to be the largest supplier of products and solutions for infrastructure and utilities works, through privileged partnerships with suppliers and customers, through technical consulting and direct participation in projects of wide scope, co-financing and intelligent sales.

Values

Innovation.

Trust in customer service.

Respecting, protecting and improving the environment.

Springline system includes well casing pipes, filter pipes and accessories made entirely of un-plasticised PVC (PVC-U). They meet the highest quality requirements of the filed, while being economically efficient.

Special properties of un-plasticised PVC make it the ideal material for this kind of applications: absolutely corrosion resistant; easily formed as tubes (by extrusion) and easily machined; good mechanical strength; lifetime over 50 years.

Chemical resistance of PVC-U piping is remarkable, buried pipes stand on long-term to the ground water of all types, including sea water or brine, even to dilute solutions of acids or alkalies.
Repeated use of the cleaning or disinfecting agents does not affect the chemical stability and implicit the mechanical stability of the buried pipes. In addition, PVC-U does not release toxic compound in water, being widely accepted for use in transport and distribution of drinking water networks.

well casing pipes

Casing pipes are fabricated through the extrusion of RAL 5015 blue color PVC-U. After being cut for the usable length of 5 meters one end is subjected to the operation of socket forming on a specialized machine, and finally both the socket and the spigot ends are threaded on a specialized machine, the type of the thread being male - female trapezoidal metric.

The thread pitch is 4mm for the outside diameters of 90 and 114mm, 6mm for the outside diameters of 125/140/160/180/200mm and 10mm for the outside diameters of 225/250/280/330 mm. This type of thread provides maximum tensile strength in terms of giving wall thickness an important feature for installation and operation.

The joining of the pipes is done when the thread and the sealing are ensured by an elastomeric ring mounted in a special slot at the root of the external thread.

Current production includes three classes of wall thicknesses, symbolized R8, R10 and R16, corresponding to the PN8, PN10 and PN16 DIN pressure classes defined by the DIN 8061 and DIN 8062 standards.

Advantages

- light, easy to handle and to mount;
- healthy sanitary product;
- the product does not corrode. PVC tubing piping for wells made by Valplast Industrie has a a lifetime of at least 50 years, the material being resistant to most substances that can be found in the canvas.

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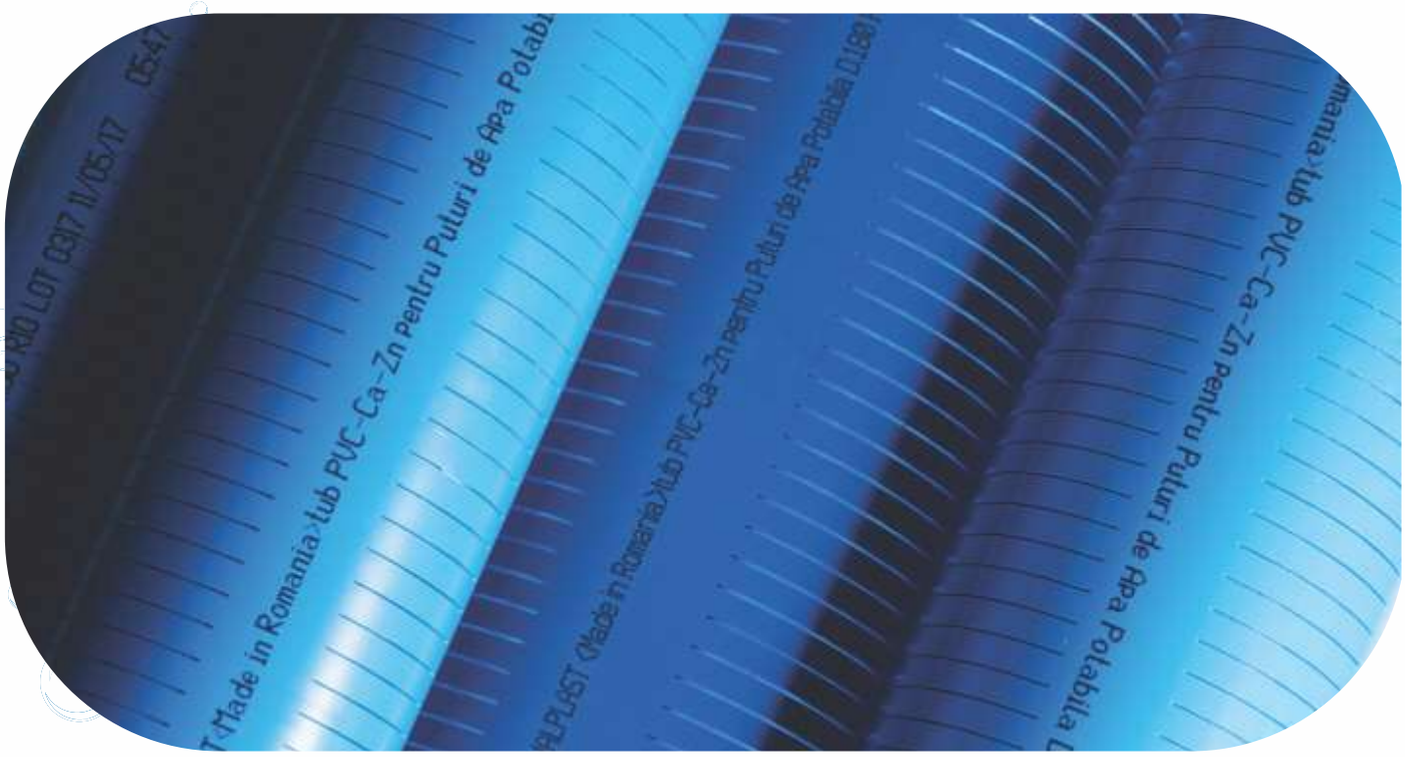
drilling system for water wells

DN (mm)	Type	Spigot external diameter (mm)	Wall thickness (mm)	Interior diameter (mm)	Weight (kg/m)
48	-	-	4	40	0,8
75	-	-	4,2	66,6	1,4
75	-	-	5,3	64,4	1,7
88	-	-	4,6	78,8	1,8
88	-	-	6	76	2,3
90	R10	4,7	97	76	2,4
	R16	6,2	97	76	2,61
114	R8	5,2	121	103	2,44
	R10	7	124,6	99,4	3,64
125	R10	5,8	132,2	112	3,34
	R16	9,1	138,8	106	5,01
140	R8	5,2	146	128	3,6
	R10	6,5	148,6	126	4,18
	R16	10,1	155,8	119	6,27
160	R8	6	167,6	147	4,2
	R10	7,5	176,6	144	5,48
	R16	11,6	178,8	136	8,17
180	R8	6,8	189,2	165	5,48
	R10	8,4	192,4	162	6,88
	R16	13,1	201,8	153	10,4
200	R8	7,5	210,6	184	7,1
	R10	9,3	214,2	180	8,52
	R16	14,6	224,8	170	12,8
225	R8	8,5	232,6	207	8,28
	R10	10,5	240,6	203	10,8
	R16	16,5	249,6	289	16,1
250	R8	8,8	262,2	231	11,3
	R10	11,6	267,8	226	13,2
	R16	18	281	214	20
280	R8	12,5	299,2	254	14,72
	R10	16	306,2	248	18,6
	R16	20,6	315,4	239	26,4
330	R8	14,5	353,2	300	21,2
	R10	19	362,6	292	27,4
	R16	24	372,6	282	35,5
400	R8	19	432	362	33.64
	R10	21.5	437	357	37.8
	R16	25	444.6	350	43.51

screen pipes

Screen pipes are in fact casing pipes, as described above which support further processing namely the cutting of the filtering slots.

This operation is performed by a specialized machine; the slots are on a perpendicular plane on the pipe generator, fact which ensures a minimum reduction of the pipe resistance to external pressure against the un-perforated pipe, and their geometry is in compliance with DIN 4925 standard and ST 01-2009 internal norm.



For a certain diameter of the pipe, filter permeability (flow of water collected per time unit) is directly proportional to the size of the free section whose value is given by summing the individual surfaces of slots per length unit or area unit of the - screen pipe.
Hence it appears that from this point of view for a maximum permeability slots as wide as possible should be applied on the larger length of the pipe circumference as possible and placed at a distance as small as possible between them on the pipe length.

wire-wrapped screen

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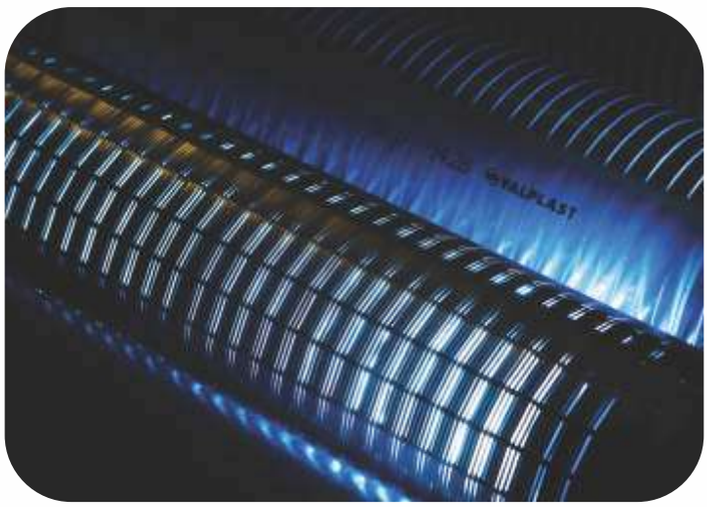
drilling system for water wells



Springline wire-wrapped screens manufactured by **Valplast Industrie** represent a simple and economic solution compared to the traditional steel filter pipe of the same diameter. The principle of achieving a filter consists in continuously winding and pitching a triangle shape stainless steel wire on a polygonal frame (almost cylindrical) of bars of the same material, simultaneously with welding in the contact points. By changing the winding pitch , slots of various widths, respectively screen permeabilities can be achieved.

Valplast Industrie currently offers **BESTFLOW** filters of stainless steel on PVC pipe support (from 90 to 400 diameter). Due to the support -pipe, the filter itself may be more flexible, respectively lighter and cheaper than the full metal version. Standard widths of the filter slots are 0.3, 0.5 and 1,0 mm; at request slots with other widths can be performed.

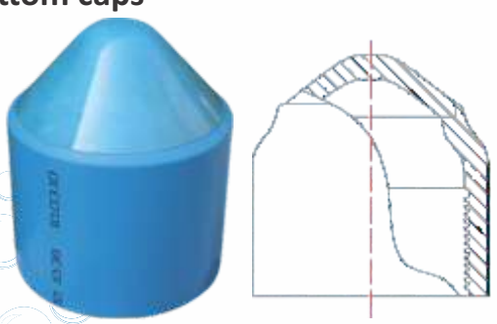
The standard length of the PVC pipe fitted with BESTFLOW filter is of 3 meters. The body of the filter is fixed on the ends on the support - pipe, by two PVC rings. The support - pipe is perforated along the entire active length of the filter, has one socketed end and both ends threaded, identical with Springline water well casing pipes. The pictures below show all the components and the assembly of the wire-wrapped screen with PVC pipe

BESTFLOW filters are a unique combination between the advantages of the stainless steel wire-wrapped screen and the advantages of PVC piping: minimum weight compared with all-metal screens, given the very small amount of stainless steel used and the low density of PVC against the metal; the wire-wrapping system provides the largest active surface, respectively the highest water flow possible to be drawn per time unit; the triangular section of the winding eliminates the risk of clogging the gap with solid particles of comparable size and ensures minimum speed of water inflow in the well casing, favoring the deposit of solid particles having the size below the slot width; the PVC support - pipe is resisting against corrosion in all types of ground water and have sufficient mechanical strength to bear the radial forces which act on the filter underground; the BESTFLOW filters are fully compatible with Springline casing pipes.

accesories

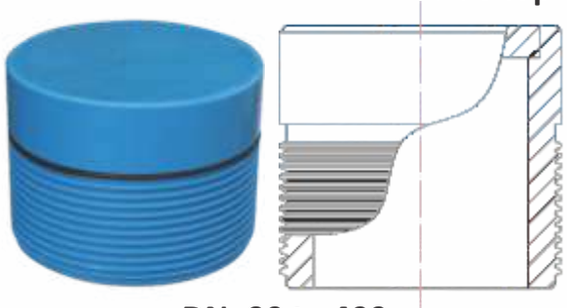
Common accessories are tops, caps and reducers made of PVC non-plasticized, blue color - RAL 5015. Column plugs are fitted with external thread, threaded tops and threaded adapters inside the large diameter and small diameter male thread. Threads have te same features as the corresponding pipe diameter shaft.

PVC bottom caps



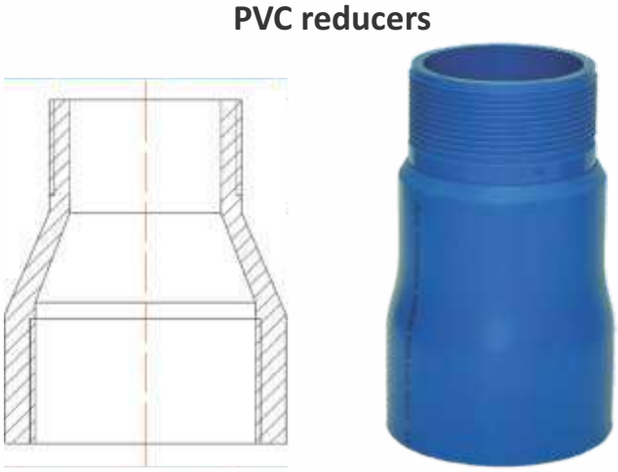
DN: 90 to 400

PVC top caps



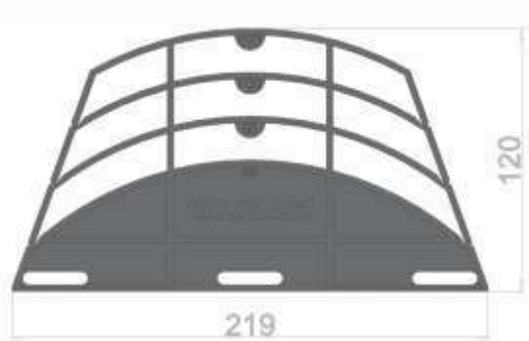
DN: 90 to 400

PVC reducers



centrings

The universal adjusted centering for well pipes are mode of polypropylene injection. It is recommended to use at least three centra pipe or shaft fixed using three necklaces resistant plastic. The centering are adjustable 120 mm, 100 mm, 80 mm and 60 mm.



piezometers

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The pipes in rigid blue PVC are threaded male-to-female for artesian wells for drinking water. The range of diameters starts from 21 mm and reaches a maximum diameter of 114 mm.

The high quality of the raw materials used and the technology of the production systems, ensure the correct function of pipes and filters even for very large deep wells.

Durability

physical and chemical properties of the PVC used for the production of Valplast Industrie pipes and the high quality of the pipes themselves, guarantees the long life of the well.

Simple jointing

the special male-female threading permits rapid, safe jointing without the use of sealant such as putty or fillers.

Watertight seal

the seal is guaranteed by special O-rings on the joints.

Mechanical strength

thicker pipe ends ensure perfect mechanical strength in the threaded area.

Simple to use

lightweight with simple joints, the pipes are easy to install and can save greatly on labor costs.

valved pipes in rigid PVC

Produced in PVC, and therefore lightweight and manageable, the valved pipe is a reliable, economic solution for injection.
The thickness of the pipe makes it able to withstand internal pressures from 60 to 120 bar.
The bars, in standard lengths of 6 meters, are threaded on both ends and the joint is covered with a sturdy sleeve. The rubber valves are fastened to the pipe through two locking rings in PVC, welded to the pipe so as to resist friction stresses. The driving operations can be facilitated by threaded conical plugs
The interaxes available between the valves make it possible to install from 1 to 4 on every meter of pipe.

EXAMPLES OF USE

Preliminary injections: in underground works (tunnels and wells) they ensure the maximum reliability and safety when crossing unstable zones and/or zones with a high water content.
Injections for waterproofing: generally used in dam construction.
They improve the seal of the bottom of the holding dam and serve to construct sections designed to reduce leakage around the base of the reinforcements against the risks of pressure, elevation or trapping.
Injections for consolidation: with multiple applications in fractured soil. For the reconstruction of a monolithic mass in the decompressed rock surrounding a tunnel. To ensure a solid base for heavy foundations. To restore works of art with deteriorated walls. Injections of adhesive (or binder): used to make the works adhere perfectly to the rocky underbase, eliminating the risk of slippage. Or to fill gaps between the lining of a tunnel and its rock profile.
Filler injections: generally performed between the rock and the tunnel lining. They fill the gaps caused by jutting elements, preventing contact with water and permitting correct division of pressures so as to prevent the risk of perforation by the jutting rocks.

pressure pipes

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PVC pressure pipes made of Valplast Industrie are used in water supply networks, irrigation, water transport inside and outside buildings recessed or surface of the earth. Also the pipes ca be used for sewer pipes under pressure or technological installations.

Raw material used is PVC-U, polyvinylchloride (rigid PVC), allowable minimum voltage MRS = 25 Mpa. Usually are produced pipes with elastomeric sealing plug with pressure but also variants with plus solder or unplugged ones can be made.

Advantages

Valplast Industrie PVC-U pressure pipes presents many advantages compared to other materials used in the construction of water supply networks, irrigation and technological installations. Into concrete or cast iron tubes the advantages are obvious: lower weight implying lower costs for transport and manipulation and commissioning work. Hydraulic parameters are clearly in favor of plastic pipe, in general, and of PVC-U tubing, in particular, resulting in greatly improved flow parameters. Joining with plug and gasket for PVC pressure pipes is very easy and safe, requires no personnel certified welder.

eco policy

VALPLAST INDUSTRIE SRL has established an environmental management system in accordance with the requirements of SR EN ISO 14001: 2005, integrated with the quality management system described in the Environmental Quality Manual.

By implementing and maintaining the environmental management system, top management is committed to:

- **compliance with applicable environmental legislation and environmental regulations;**
- **continuous improvement of the environmental management system and pollution prevention.**

The general environmental objectives are:

- **Reduce the amount of waste produced and treat it in accordance with the regulations in force;**
- **Effective use of raw materials and utilities to save natural resources;**
- **Improving the environmental performance of society.**

certificates


Certificato
CERTIFICATO DI PRODOTTO KIWA-UNI
PRODUCT CERTIFICATE KIWA-UNI

Kiwa Cermet Italia dichiara che i prodotti
Kiwa Cermet Italia hereby declare that the products

Raccordi in PVC-U per sistemi di tubazioni per fognature e scarichi interrati pressione
PVC-U fittings for piping system for non pressure underground drainage and sewerag

Marchio del sistema/System Trade mark: **basicline**

Sistema di giunzione / *Jointing Method*	Figura / *Figure*	Dn	Area	SDR	SN
Vedi pagine 2, 3 e 4 / *See pages 2, 3 and 4*					

Sistema Costruito da/*System Manufactured by*: **SC Valplast Industrie SRL**
Bd. Preciziei 9, Sector 6, Bucuresti, Romania

In base ai test di tipo nonché alle ispezioni periodiche condotte da Kiwa sono ritenuti conformi ai requisiti del Documento Tecnico Ki – 0410 basato sulla normativa UNI EN 1401:2009 e quindi marcati Kiwa-UNI
La validità di questo certificato è soggetta al risultato positivo delle sorveglianze periodiche
Based upon type tests and on Kiwa's periodic factory inspections the products are considered in compliance with the requirement of Technical Document Ki – 0410, based on the standard UNI EN 1401:2009 and consequentially marked Kiwa-UNI
The validity of this certificate is subject to the positive result of periodic surveillance visits

Il presente certificato viene rilasciato in accordo al Regolamento Kiwa Cermet It per la Certificazione di prodotto ed è composto da 4 pagine.
This certificate is issued in accordance with the Kiwa Cermet Italia regulations for Pr Certification and consists of 4 pages

Chief Operating Officer
Giampiero Belcredi

kiwa
IT-DT-Ki0410


...stifiat. Producție capace canal din poliesteri arma... ...lizare tevi și fitinguri din materiale termoplastice, armat... ...riale și produse pentru managementul deșeurilor

Production and sale of pipes and non-plasticized PVC fittings. Production of channel caps of ... reinforced with fiberglass. Purchase and sale of pipes and fittings of thermoplastic ... for plumbing, geomaterials and products for waste management

which has implemented and maintains a
environmental management system
which fulfils the requirements of the standard

(ISO 14001:2004)

...este condiționată de ...anuale până la da...


E R T I F I C A

SRAC **certifică organizația/ certifies the organisation**

VALPLAST INDUSTRIE S.R.L.
B-dul Preciziei, nr. 9, sector 6, București

pentru următoarele activități/ for the following fields of activities

Producție și comercializare țevi și fitinguri din PVC neplastifiat. Producție capace canal din poliesteri armați cu fibră de sticlă. Achiziționare și comercializare țevi și fitinguri din materiale termoplastice, armături pentru instalații, geomateriale și produse pentru managementul deșeurilor

Production and sale of pipes and non-plasticized PVC fittings. Production of channel caps of polyester reinforced with fiberglass. Purchase and sale of pipes and fittings of thermoplastic materials, armatures for plumbing, geomaterials and products for waste management

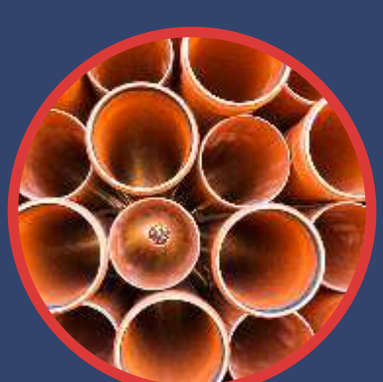
că are implementat și menține un
sistem de managementul calității
conform condițiilor din standardul

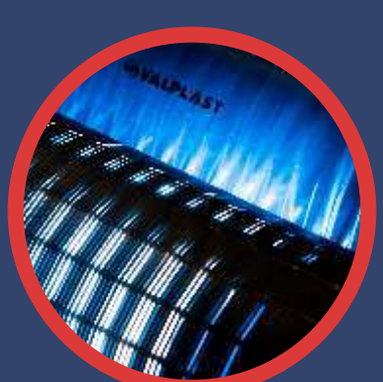
which has implemented and maintains a
quality management system
which fulfils the requirements of the standa...

SR EN ISO 9001:2008 (ISO 9001:2008)

Valabilitatea certificatului este condiționată de...
efectuarea supravegherilor anuale până l...
10599

trust
quality
experience
professionalism





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