




# SAB



## RioFlex

Polyethylene lay flat hose 

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details make the difference

01.2018

 **SYSTEM GROUP**

## Tube distributore dedicato agli impianti di irrigazione a goccia

Main line designed for drip irrigation systems

Tuyau distributeur dédié aux systèmes d'irrigation à goutte

Tube distribuidor específico para las instalaciones de riego por goteo



### VANTAGGI

- Forte
- Flessibile
- Furbo

### ADVANTAGE

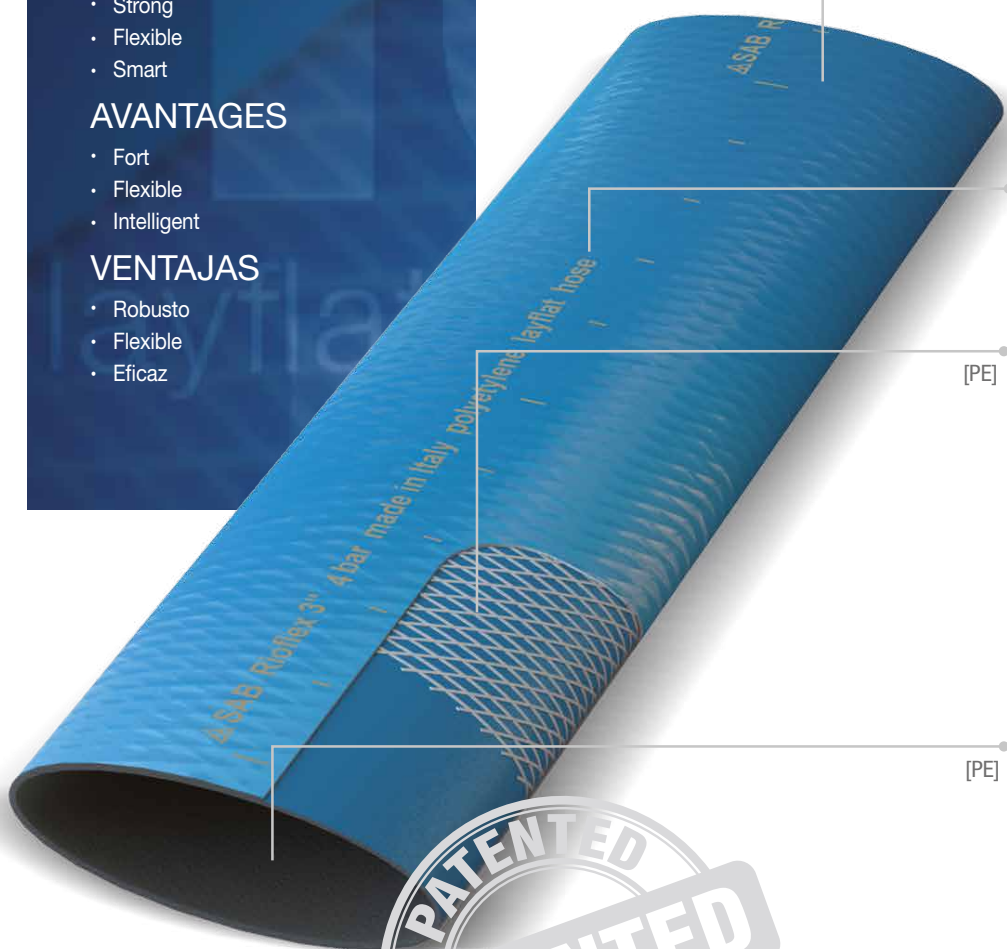
- Strong
- Flexible
- Smart

### AVANTAGES

- Fort
- Flexible
- Intelligent

### VENTAJAS

- Robusto
- Flexible
- Eficaz



**Protezione anti-UV**  
[PE] Tenace e duttile, con anti UV, per una lunga vita utile

**UV-ray protection**  
Tough and malleable, with anti-UV protection, for a longer lifespan.

**Protection anti-UV**  
Résistant et souple, doté d'un traitement anti UV, afin d'obtenir une durée de vie plus longue.

**Protección anti-UV**  
Fuerte y dúctil, con protección anti-UV para una larga vida útil.

**Marchatura indelebile decimetrata**  
Decimeter permanent marking  
Marquage indélébile décimètre  
Marcaje indeleble decimetrado

**Trama di rinforzo**  
[PE] Garantisce la resistenza alla pressione, mantenendo il tubo flessibile e leggero

**Reinforcing web**  
Guarantees pressure resistance, preserving the pipe light and flexible.

**Trame de renforcement**  
Assure la résistance à la pression et conserve le tuyau flexible et léger.

**Malla de refuerzo**  
Garantiza la resistencia a la presión, pero manteniendo el tubo flexible y ligero.

**Barriera alla luce**  
[PE] Evita la penetrazione della luce solare, per impedire la formazione di alghe e batteri all'interno del tubo.

**Light barrier**  
Prevent the penetration of the sunlight, in order to avoid bacteria and algae formation.

**Barrière Lumière**  
Évite la pénétration de la lumière naturelle, empêchant la formation des algues et des bactéries à l'intérieur du tuyau.

**Barrera a la luz**  
Evita la penetración de luz solar para impedir la proliferación de algas y bacterias en el interior del tubo.





Per l'utilizzatore **RioFlex** significa notevole risparmio di costo, tempo e fatica.

**SAB** ha avviato il progetto **RioFlex** nel 2015, l'obiettivo era realizzare un tubo distributore dedicato agli impianti di irrigazione a goccia.

**RioFlex** è prodotto in PE, materiale del quale sono noti i pregi e nel quale **SAB** ha una consolidata esperienza.

Su **Rioflex** utilizziamo tre diversi tipi di PE, per ottenere un tubo con caratteristiche apparentemente in antitesi fra loro.

**RioFlex** è infatti tenace e robusto, ma anche leggero e flessibile, il PE ha una bassissima scabrezza, per ridurre le perdite di carico, ed è poco sensibile alle dilatazioni termiche.

**RioFlex** può essere fornito con le derivazioni montate alla distanza desiderata, rendendo la posa dell'impianto, ed il recupero a fine stagione, estremamente rapidi.

Usa **RioFlex** seguendo le istruzioni fornite insieme al tubo, lui ti ripagherà con una lunga vita utile; al suo termine potrai riciclarlo, con le manichette.

**RioFlex** offre á l'utilisateur final gain de temps, économie et efforts.

**SAB** a commencé le projet **RioFlex** en 2015 avec l'objectif de fabriquer un tuyau distributeur dédié aux systèmes d'irrigation à goutte.

**RioFlex** est produit en polyéthylène, matériau dont les avantages sont bien connus et pour lequel **SAB** a une expérience considérable.

Pour **RioFlex** on utilise trois types différents de PE afin d'obtenir un tuyau ayant des propriétés combinées et optimisées permettant de donner les meilleures caractéristiques à **RioFlex**.

**RioFlex** est en effet résistant et robuste, mais aussi léger et flexible, le polyéthylène a une rugosité très faible permettant de réduire les pertes de charge ainsi que les dilatations thermiques.

**RioFlex** peut être fourni avec les inserts déjà assemblés à la distance souhaitée, pour accélérer son installation et son démantèlement en fin de saison.

Utilisez **RioFlex** en respectant le mode d'emploi fourni avec le tuyau, pour une durée de vie plus longue sachant qu'en fin d'utilisation ce dernier pourra être recyclé avec la gaine.

For the end user, **RioFlex** means a huge saving in money, time and labour.

**SAB** has commenced the **RioFlex** project since 2015, with the aim of creating a manifold pipe specifically designed for drip irrigation systems. **RioFlex** is made of polyethylene, a well-known material, renowned for its virtues and on which **SAB** has long experience.

We use three different types of PE on **RioFlex**, to obtain a pipe with features apparently in contrast between themselves.

**RioFlex** is strong and tough, but light and flexible as well. Polyethylene has a low roughness rate, to reduce pressure loss and has very low sensitivity to thermal expansion.

**RioFlex** can be supplied with connections already installed at the required distance, to make the installation and the dismantling at the end of the irrigation season much faster.

Use **RioFlex** according to the instructions supplied with the pipe and it is going to pay you back with a long-lasting life after which it can be recycled along with the drip tape.

El uso de **RioFlex** supone un ahorro de dinero, tiempo y trabajo al usuario.

**SAB** empezó el proyecto **RioFlex** en 2015; el objetivo era el desarrollo de un tubo distribuidor específico para las instalaciones de riego por goteo.

El tubo **RioFlex** se fabrica en polietileno, un material con ventajas ya conocidas y del cual **SAB** ya disponía de una gran experiencia.

En la fabricación del **RioFlex** utilizamos tres tipos diferentes de PE para obtener un tubo con características que aparentemente son incompatibles entre ellas.

De hecho, **RioFlex** es fuerte y robusto, pero al mismo tiempo también es ligero y flexible. El polietileno tiene un coeficiente de rugosidad muy bajo lo que reduce las pérdidas de carga y es poco sensible a las dilataciones térmicas.

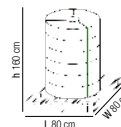
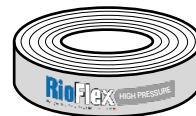
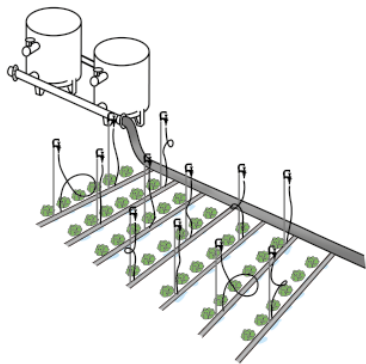
**RioFlex** puede ser suministrado con las derivaciones ya montadas a la distancia deseada, haciendo que la instalación y el desmontaje al final de la temporada sean extremadamente rápidos.

Utiliza **RioFlex** siguiendo las instrucciones proporcionadas junto al tubo. Él te compensará económicamente con una larga vida útil, después de la cual podrás reciclarlo conjuntamente con las cintas de goteo.



# RioFlex HIGH PRESSURE

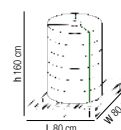
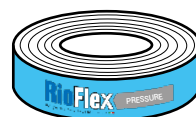
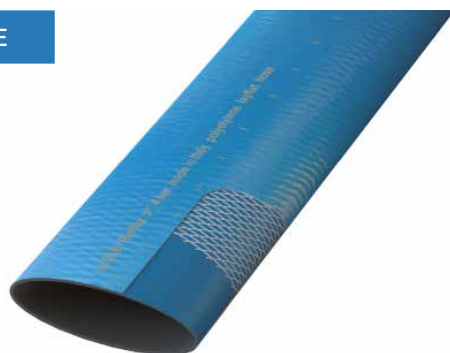
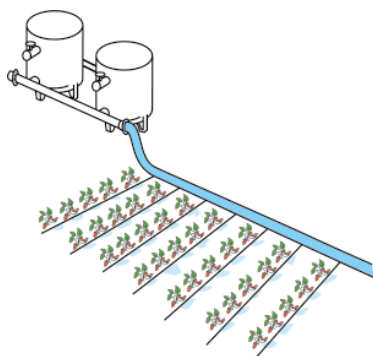
Polyethylene layf lat hose



code	Ø mm	D" thick.	kg/m	bar	coil m	coils x pallet	
4004G	53	2"	1,4	0,170	6,0	100 m	16
4004L	78	3"	1,5	0,230	6,0	100 m	10

# RioFlex PRESSURE

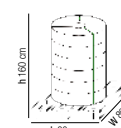
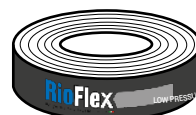
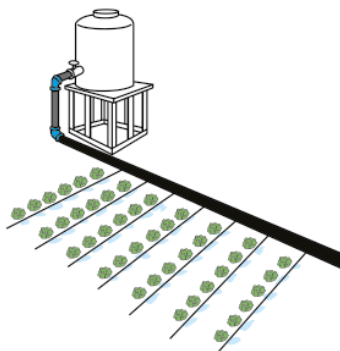
Polyethylene layf lat hose



code	Ø mm	D" thick.	kg/m	bar	coil m	coils x pallet	
4003G	53	2"	1,3	0,160	4,0	100 m	16
4003L	78	3"	1,4	0,220	4,0	100 m	10
4003M	104	4"	1,4	0,290	3,5	100 m	8
4003N	130	5"	1,5	0,400	2,5	100 m	7
4003P	156	6"	1,6	0,680	2,0	50 m	6

# RioFlex LOW PRESSURE

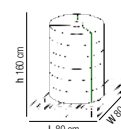
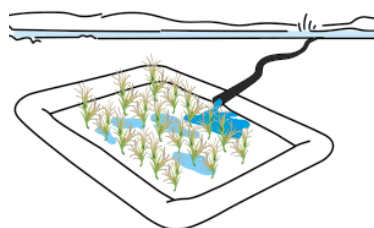
Polyethylene layf lat hose



code	Ø mm	D" thick.	kg/m	bar	coil m	coils x pallet	
4002G	53	2"	1,2	0,150	2,5	100 m	16
4002L	78	3"	1,3	0,210	2,2	100 m	10
4002M	104	4"	1,3	0,280	2,0	100 m	8

# RioFlex FREE FLOW

Polyethylene layf lat hose



code	Ø mm	D" thick.	kg/m	bar	coil m	coils x pallet	
4001G	53	2"	0,5	0,090	0,5	200 m	16
4001L	78	3"	0,6	0,115	0,4	200 m	10
4001M	104	4"	0,7	0,165	0,4	200 m	8
4001N	127	5"	0,8	0,253	0,3	200 m	7
4001P	155	6"	0,9	0,315	0,3	100 m	6

## Inserto f/f 1/2" e Plug-In per RioFlex

Plug-In and 1/2" female threaded insert for RioFlex  
Insert taraudé 1/2" et Plug-In pour RioFlex  
Injerto rosca hembra 1/2" Plug-In para RioFlex



CODE: 02046	Ø	D"	12mm	16mm	PACK
0204601600BR	16-22	1/2"	12mm	16mm	100P

## Raccordo Tape - Plug-in

Tape - Plug-in off-take connector  
Raccord Tape - Plug-in  
Enlace Tape - Plug-in



CODE: 02045	Ø	PACK
0204501600A	16	1000 B - 100 P
0204502200A	22	500 B - 100 P

## Valvolina Tape - Plug-in

Tape - Plug-in off-take valve  
Vanne Tape - Plug-in  
Válvulita Tape - Plug-in



CODE: 02250	Ø	PACK
02250016014	16	400 B - 50 P
02250022014	22	300 B - 50 P

## Raccordo tape - F/M

Male threaded - tape connector  
Raccord fileté male - gaine  
Enlace para cinta (tape) - rosca macho



CODE: 02041	Ø	D"	PACK
0204101600B	16	1/2"	1200 B - 100 P
204102200B	22	1/2"	700 B - 100 P

## Valvolina tape - F/M

Tape connector - male threaded Valve  
Vanne tape - filet mâle  
Válvulita con ataque tape - rosca macho



CODE: 02221	Ø x D"	PACK
0222101600B	16 x 1/2"	350 B - 50 P
0222102200B	22 x 1/2"	300 B - 50 P

## Chiave per inserti RioFlex

RioFlex fittings inserting tool  
Clé pour dérivation RioFlex  
Llave para injertar empalmes en el tubo RioFlex



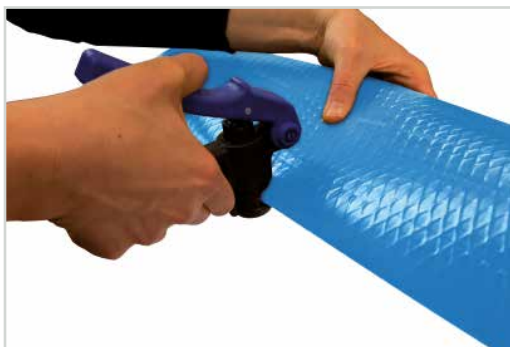
CODE: 9198	12mm	16mm	PACK
9198000012	12mm	16mm	10 P

## Pinza foratrice per tubo RioFlex

RioFlex hose punch  
Pince pour tuyau RioFlex  
Perforadora para tubo RioFlex



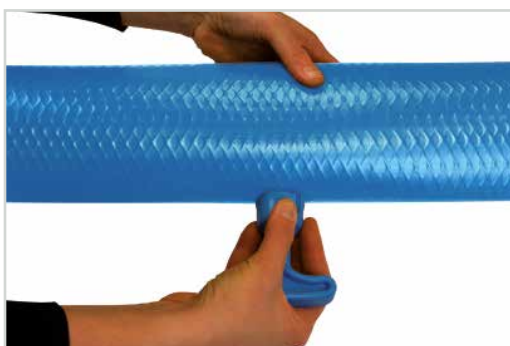
CODE: 2001	16	PACK
2001016	16	1 P



Forare il tubo | Perforate the pipe  
Percer le tuyau | Perforar la manguera



Inserire il raccordo ad innesto | Insert the take-off adaptor  
Insérer le raccord dans le tuyau | Insertar el conector



Serrare a fondo la ghiera | Firmly tighten the nut  
Serrer fermement l'écrou | Cerrar la tuerca firmemente

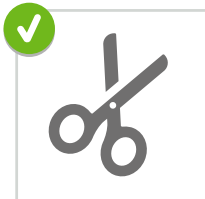


Inserto montato | Mounted insert  
Insert monté | Insercion montada

# Installazione

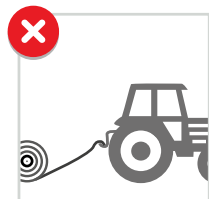
Installation / Installation / Instalacion

1



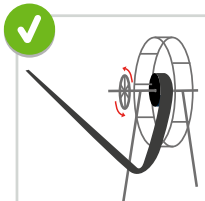
Disimballare con cura  
Unpack carefully  
Déballer avec soin  
Desembalar con cuidado

2



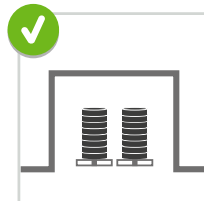
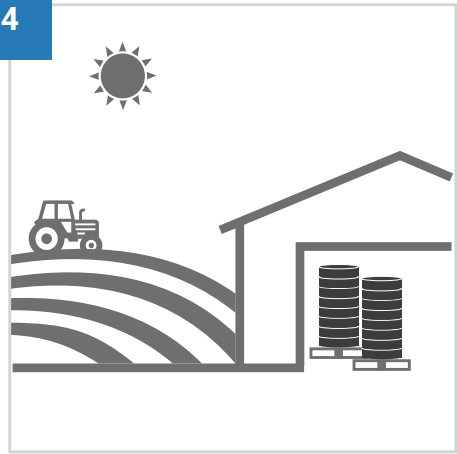
Srotolare il tubo sul campo  
Unroll the pipe on the field  
Dérouler le tuyau sur terrain  
Desenrollar el tubo en el campo

3



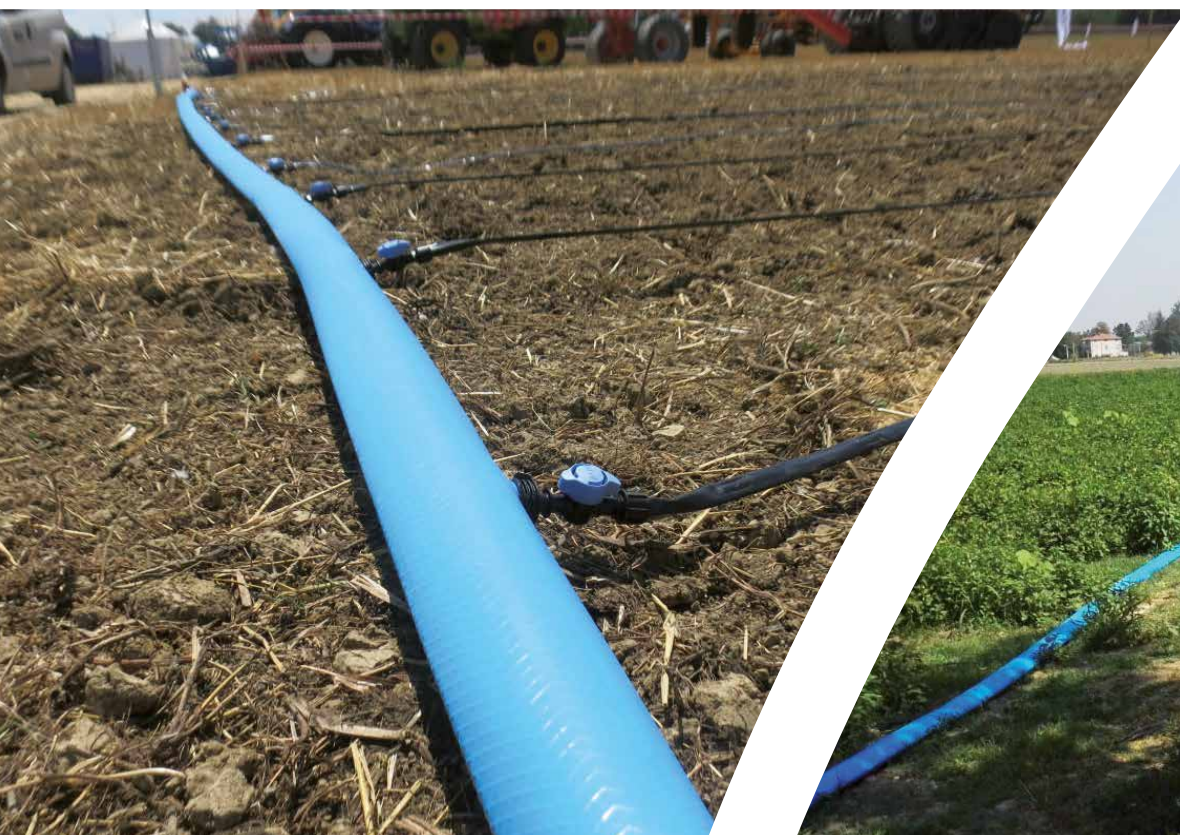
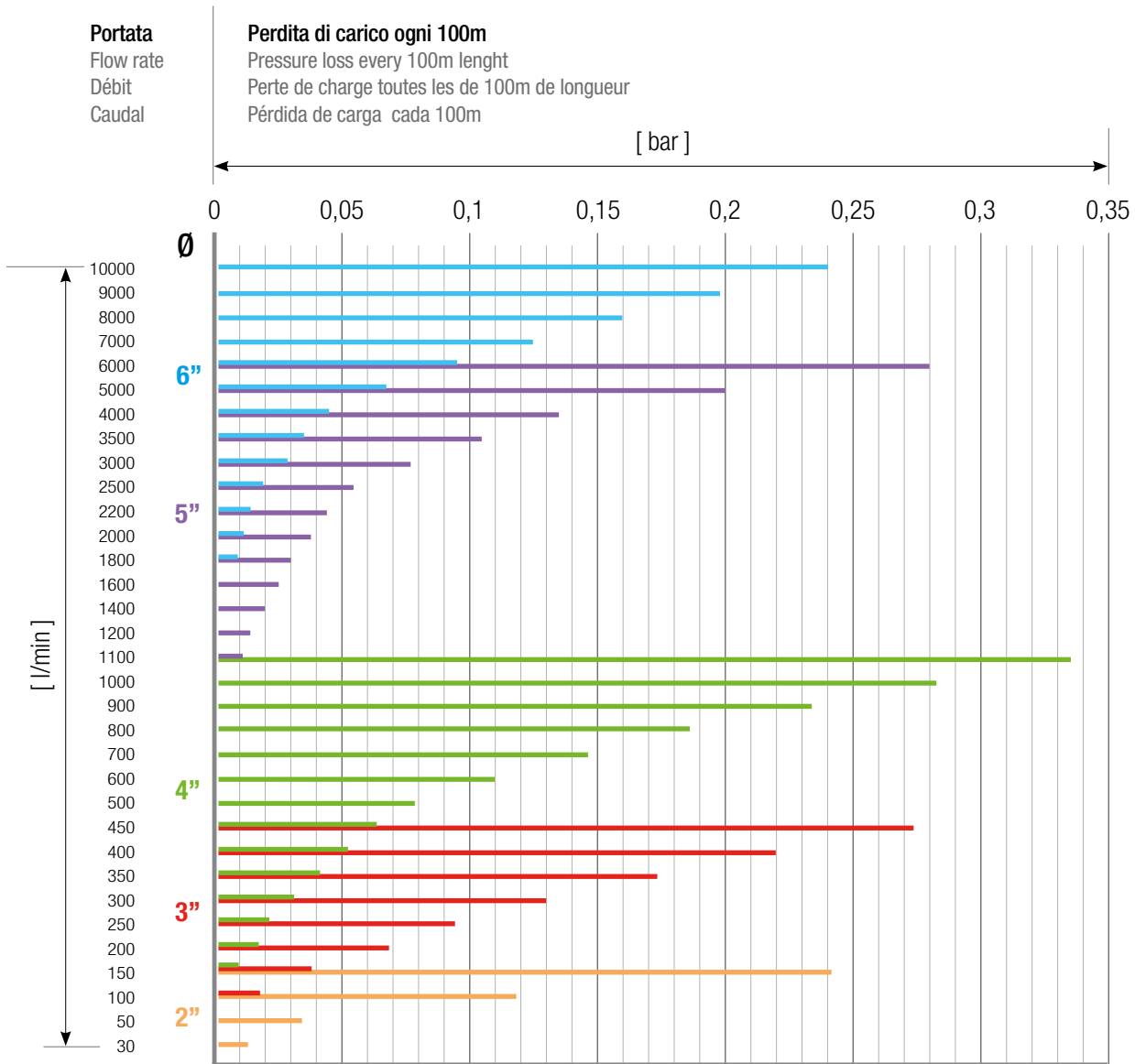
Riarrotolare sul rocchetto in plastica  
Re-coil using the plastic drum  
Enrouler sur la bobine plastique  
Enrollar sobre el carrete de plástico

4



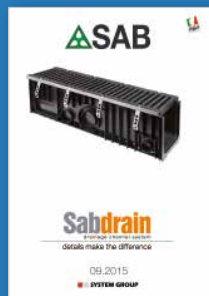
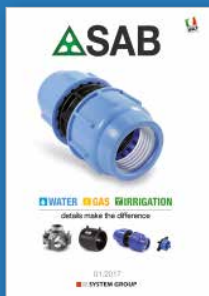
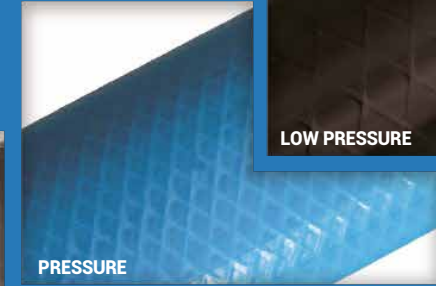
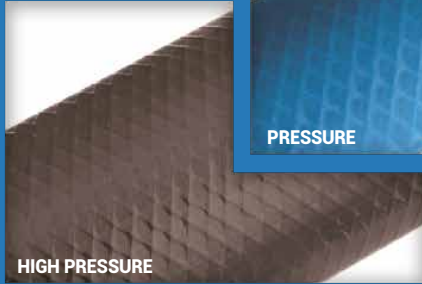
Conservare al coperto  
Store inside  
Garder à l'intérieur  
Almacenar en el interior





# RioFlex

Polyethylene lay flat hose 



# SAB



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