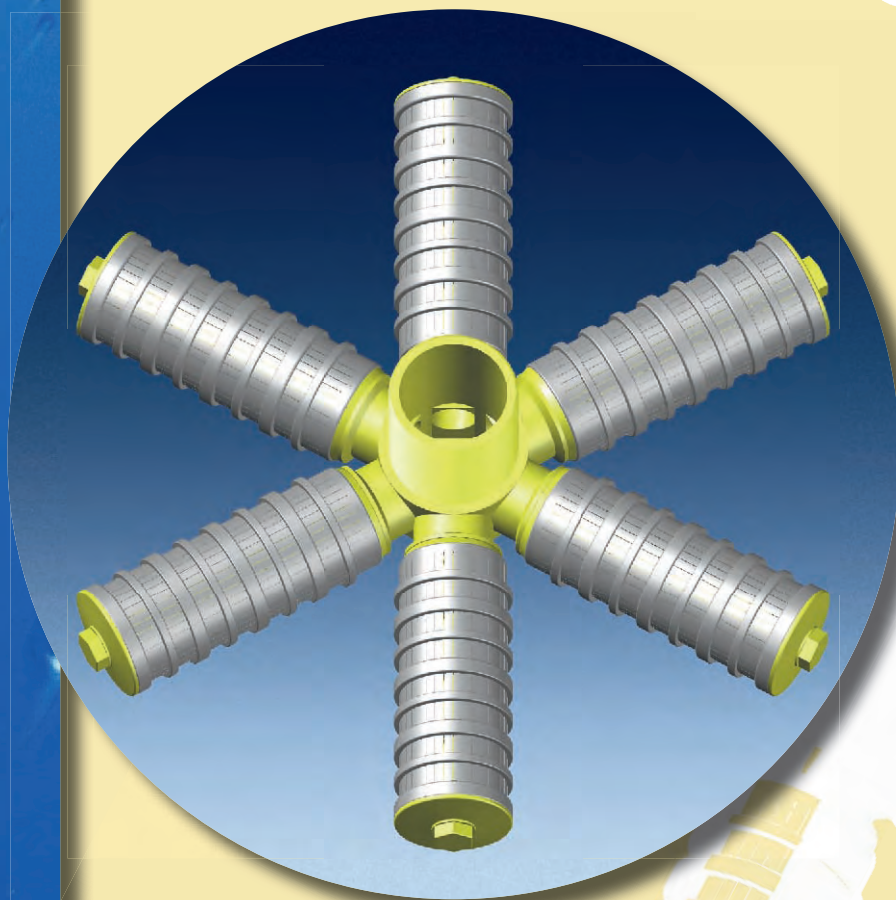


KSH



DIN EN ISO 9001-2008





Filterdüsen

Für Wasser und Abwasser-
Aufbereitung

Filter-Nozzles

For water processing and water
cleaning

Crépines à filtre

Pour le traitement et
la filtration de l'eau

Toberas filtrantes

Para el tratamieto y la
filtration del agua



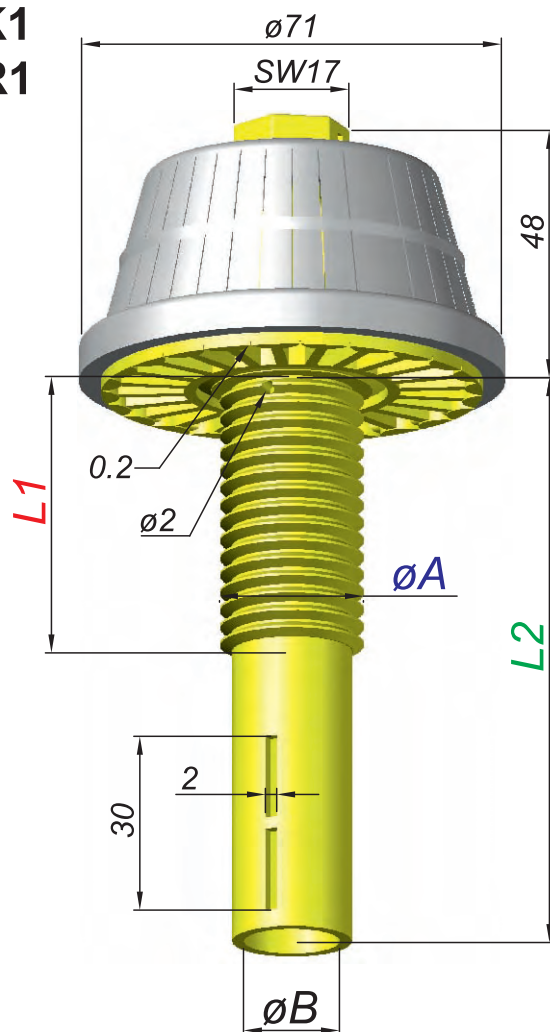
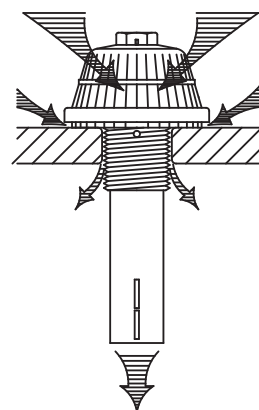
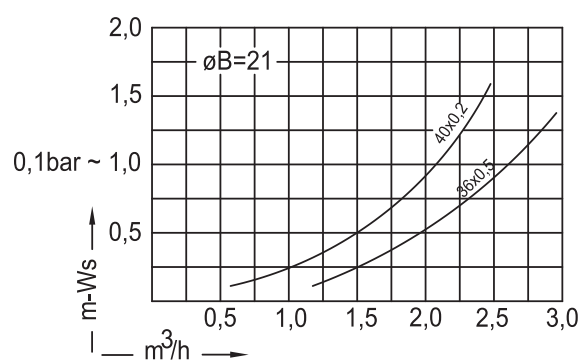
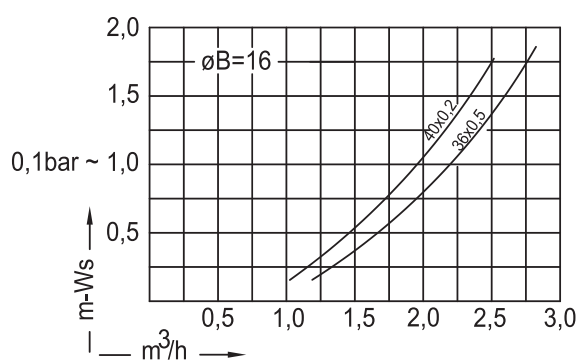
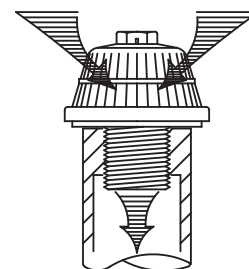
Filterdüsen-Sterne

Filter-Nozzles-Stars

Crépines étoiles

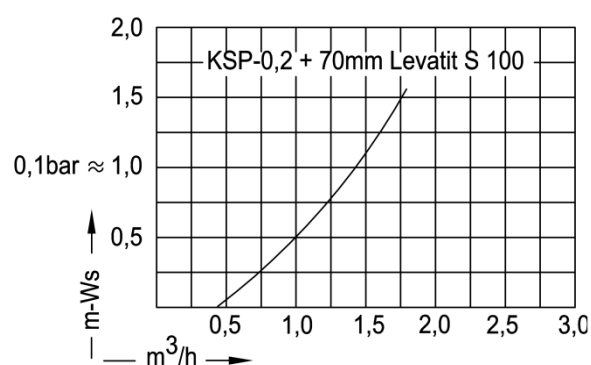
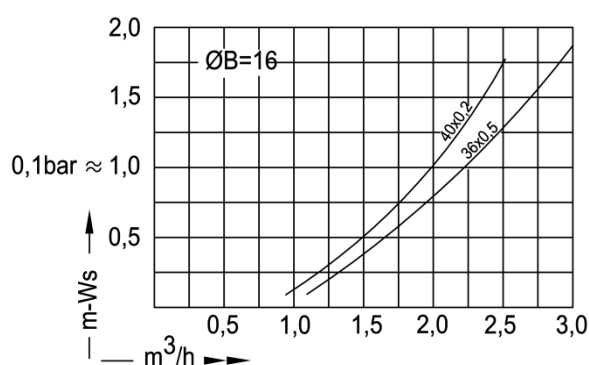
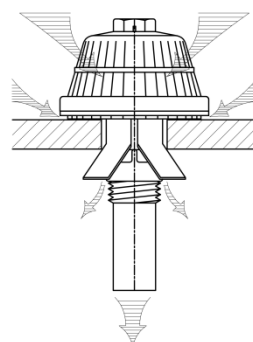
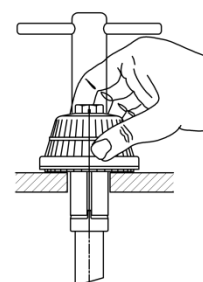
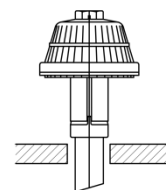
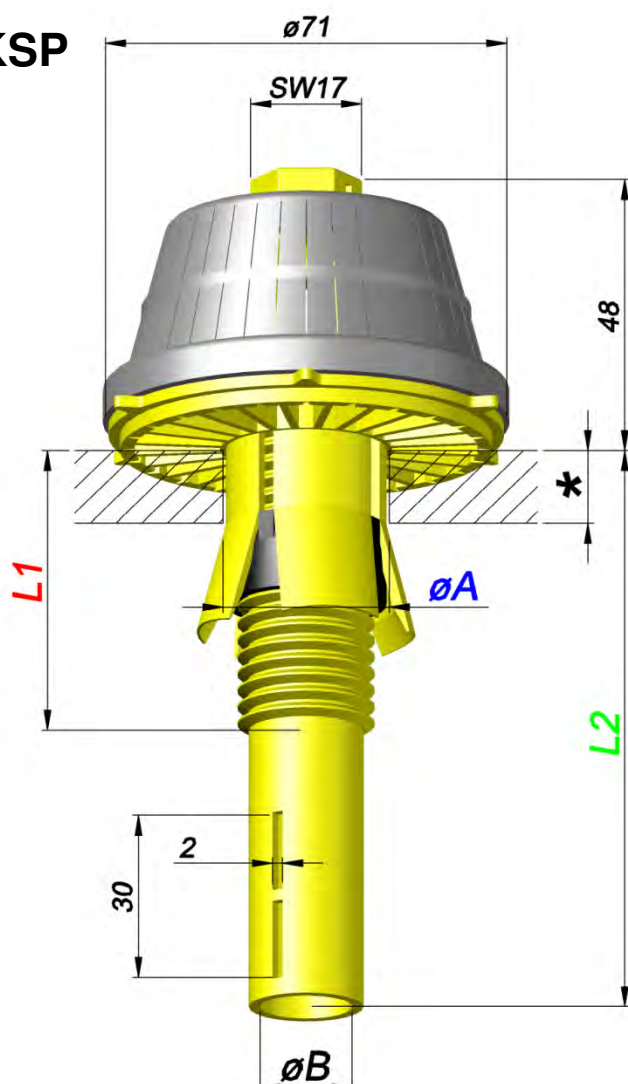
Estrellas para toberas a filtro

Material- beständigkeit	Constancy of the material	Résistance du matériel	Resistencia del Material
Unsere Filterdüsen und Filterdüsensterne werden aus Polypropylen hergestellt. Polypropylen (PP) ist in Abhängigkeit vom Druck zum Beispiel beständig bei 60°C (333 K) gegen:	Our Filter nozzles and Filter nozzles-stars are made of polypropylene. Depending on the drop in pressure for example at 60°C (333 K) Polypropylene (PP) is resistant against:	Nos crépines à filtre sont fabriquées en polypropylène. Le polypropylène (PP) résiste, en fonction de la pression, par exemple à 60°C (333 K) aux produits suivants:	Nuestras toberas y estrellas filtrantes están fabricadas en polipropileno (PP). Dependiendo de la presión puntual de entrada y por ejemplo a 60°C (333 K), el polipropileno es resistente a:
Ammoniak w 10 % Formaldehyd w 10 % Isopropanol w jede Methanol w 50 % Natronlauge 50 % Salzsäure 50 % Schwefelsäure 50 % Sodawasser Ozon 20°C, 50 pphm (0,5mg/L)	ammonia ag 10 % formaldehyde ag 10 % isopropanol all concentrations methanol ag 50 % caustic soda solutions 50 % hydrochloric acid 50 % sulfuric acid 50 % soda water ozone 20°C, 50 pphm (0,5mg/L)	ammoniaque aq 10 % formaldéhyde aq 10 % isopropanol aq toute concentration méthanol aq 50 % solution de soude 50 % acide chlorhydrique 50 % acide sulfurique 50 % eau soda ozone 20°C, 50 pphm (0,5mg/L)	amoniaco, sol. 10 % formaldehído, sol. 10 % isopropanol, cualquier conc. metanol, sol. 50 % sosa cáustica, sol. 50 % ácido clorhídrico, conc. 50 % ácido sulfúrico, conc. 50 % agua de soda Ozono 20°C, 50 pphm (0,5mg/L)
Polypropylen ist physiologisch unbedenklich.	Polypropylene is physiologically unobjectionable.	Le polypropylène est physiologiquement neutre.	El polipropileno es inocuo.
Polypropylen wird bei zunehmenden Frost spröder. Bitte, behandeln Sie Produkte aus PP entsprechend. Bei Kälte empfehlen wir die Filterdüsen und Mutter vor der Montage zu erwärmen.	With increasing frost polypropylene gets more sensitive. Please, handle all articles made of polypropylene accordingly. If it is cold we recommend to warm up filter nozzles and nuts before installation.	Le polypropylène devient plus cassant en cas de gel croissant. Veuillez traiter les produits en polypropylène en tenant compte de ce facteur. Lors de basse température nous recommandons le réchauffement des crépines à filtre ainsi que des écrous avant le montage.	A bajas temperaturas la fragilidad del polipropileno aumenta. Deben utilizarse los productos fabricados en PP, teniendo en cuenta la anterior circunstancia. En caso de bajas temperaturas, recomendamos calienten las toberas filtrantes y tuercas antes de su montaje.
Für Heißwasser bis max. 110°C empfehlen wir in Abhängigkeit vom Druck Polypropylen mit chemisch gekoppelter Glasfaser PPGV. Mit dem Einsatz von PPGV ändern sich die angegebenen Maße. Bitte bei Bedarf nachfragen.	For hot water of a continuous temperature of up to max. 110°C depending on the drop in pressure we recommend polypropylene with chemically combined glass fibres. Using PPGV, the indicated measurements may change. If required, please contact us for information.	Pour de l'eau chaude à température constante allant jusqu'à 110°C max., nous recommandons l'utilisation du polypropylène chargé de fibres de verre. Pour le PPGV, Les dimensions indiquées peuvent changer. Les cas échéant, n'hésitez Pas à nous contacter pour plus d'informations.	Para agua caliente a temperatura constante hasta un máx. de 110°C, y dependiendo de la presión puntual de entrada, recomendamos utilizar nuestras toberas fabricadas en PP reforzadas con de fibra de vidrio. Utilizando PPGV, las medidas indicadas pueden variar. En caso necesario, les pedimos que contacten con nosotros para especificaciones.
Für Heißwasser bis max. 135°C empfehlen wir in Abhängigkeit vom Druck PVDF. (Bedingt beständig gegen konzentrierte Laugen).	For hot water of a continuous temperature of up to max. 135°C depending on the drop in pressure we recommend PVDF. (Conditionally resistant to concentrated caustic solutions).	Pour de l'eau chaude à température constante allant jusqu'à 135°C max., nous recommandons l'utilisation du PVDF (résistance limitée aux solutions concentrées).	Para agua caliente a temperatura constante hasta un máx. de 135°C, dependiendo de la presión puntual de entrada, recomendamos utilizar nuestras toberas fabricadas en PVDF. Resisten soluciones concentradas de bases fuertes (con restricciones).
Farben für Schlitz (PP): 0,2 = elfenbein 0,3 = grün 0,35 = weiß 0,5 = grau 0,7 = gelb 0,8 = blau 1,0 = schwarz 1,5 = orange 2,0 = grün	Colour of slots (PP): 0,2 = ivory 0,3 = green 0,35 = white 0,5 = grey 0,7 = yellow 0,8 = blue 1,0 = black 1,5 = orange 2,0 = green	Coloration par fente (PP): 0,2 = ivoire 0,3 = vert 0,35 = blanc 0,5 = gris 0,7 = jaune 0,8 = bleu 1,0 = noir 1,5 = orange 2,0 = vert	Color de las ranuras (PP): 0,2 = marfil 0,3 = verde 0,35 = blanco 0,5 = gris 0,7 = amarillo 0,8 = azul 1,0 = negro 1,5 = naranja 2,0 = verde
Anzugsmoment siehe Montageanleitungen	Tightening torque see at Installation-instruction	Couple de serrage voir instructions de montage	Par de apriete en el manual de instrucciones
1 mWS = ca. 0,1 bar	1 mWS = approx. 0,1 bar	1 m de colonne d'eau = env. 0,1 bar	1 mWS = aprox. 0,1 bar
Gewinde in Anlehnung an DIN ISO 228 für G, BSP ANSI B1.20.1-1983 für NPT, NPSM ANSI B1.1a-1984 für UN	Threads in the approach of DIN ISO 228 for G, BSP ANSI B1.20.1-1983 for NPT, NPSM ANSI B1.1a-1984 for UN	Les fils dans l'approche de DIN ISO 228 pour G, BSP ANSI B1.20.1-1983 pour NPT, NPSM ANSI B1.1a-1984 pour UN	Número aproximado hilos de rosca según DIN ISO 228 para G, BSP ANSI B1.20.1-1983 para NPT, NPSM ANSI B1.1a-1984 para UN
Maße in mm.	Dimensions in mm.	Dimension en mm.	Dimensiones en mm.
Irrtümer / Druckfehler Technische Änderungen vorbehalten.	Error / Pressure Failure We reserve the right to alter specifications.	Sous réserve de fautes ou d'erreurs d'impression et de modifications techniques.	Error / Fallo de Presión Nos reservamos el derecho de alterar las especificaciones técnicas.
Alle technischen Informationen verstehen sich ohne jede Gewähr. Es gelten die Angaben des jeweils angeforderten Datenblattes.	No responsibility is taken for the correctness of the technical information. Only specifically provided data sheets are valid.	Toutes les informations techniques sont sans garantie. Seules les fiches techniques spécifiquement fournies au client sont valables.	Todos informaciones técnicas son sin garantía. Solamente nuestras hojas de datos específicos directamente transmitidos al cliente son válidos.

Filterdüsen
Filter-Nozzles
Crépines à filtre
Toberas filtrantes
**Typ K1
/ KR1**

Typ K1

Typ KR1


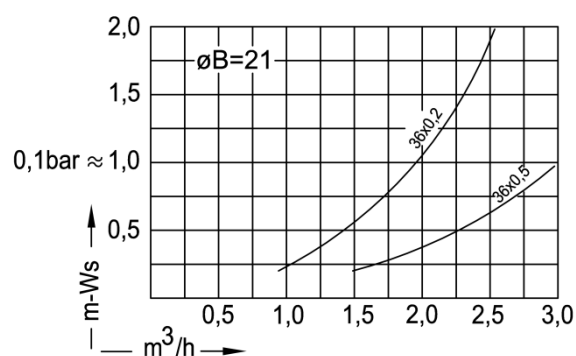
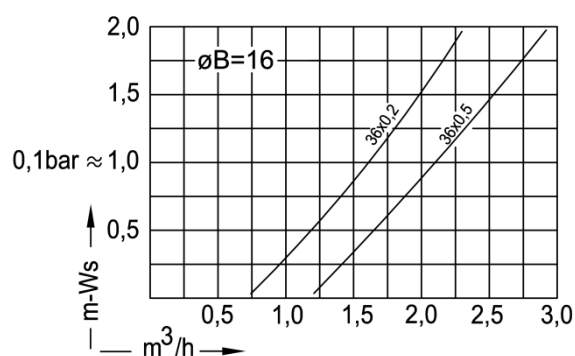
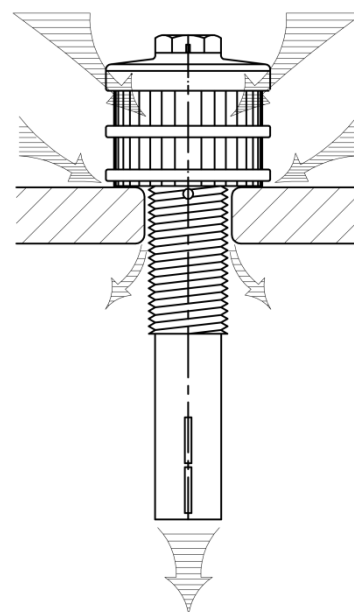
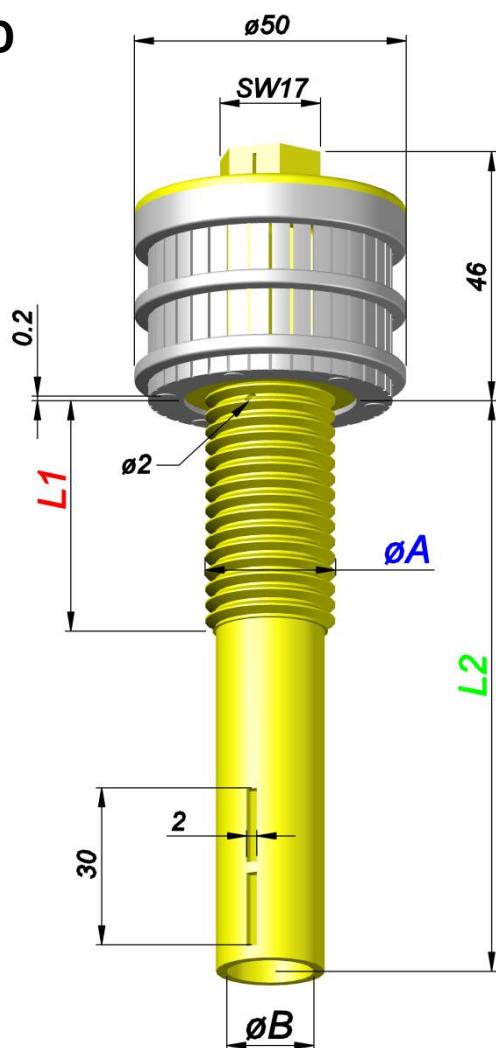
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	$\varnothing A$	Gewindelänge Thread length Longueur de filetage Largura de la rosca	Schaft Shaft Longueur de tige Tija	$\varnothing B$
	K1 KR1	40x0,2 = 1,95 cm ² 36x0,35 = 2,96 cm ² 20x0,5 = 2,35 cm ² 36x0,5 = 4,23 cm ² 20x0,8 = 3,78 cm ² 36x1,0 = 8,46 cm ² 24x1,5 = 7,05 cm ² 20x2,0 = 9,50 cm ²	G1"	33,25	20	80, 110, 140, 200, 250, 300, 350, ...	21 = 3,4 cm ²
			1 1/4" WW	32	20, 30, 45, +5+5...		
			M30 x 3.5	30	30		
			G3/4"	26,5	20, 30, 45, +5+5...	80, 110, 140, 200, 250, 300, 350, ...	16 = 2,0 cm ²
			1" WW	25,4	20, 45, +5+5...		
			M24	24	25, 45, +5+5...		
			M22 x 1,5	22	45, +5+5...		
			G1/2"	21	15, 20, 40	80, 110, 140, 200, ...	13 = 1,3 cm ²
			M20	20	45, +5+5...		
			G3/8"	16,7	20		

Typ KSP



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	*	L1	Schaft Shaft Longueur de tige Tija	L2	øA	øB
	KSP	40 x 0,2 = 1,95 cm²	8 - 28	50	80, 110, 140, 200, 250		28-29,5; 29,5-31,5; 31,5-33;	16 = 2,0 cm²
		36 x 0,35 = 2,96 cm²	25 - 45	73	110, 140, 200, 250		33-34,5; 34,5-36;	
		20 x 0,5 = 2,35 cm²						
		36 x 0,5 = 4,23 cm²	8 - 28	50	80, 110, 140, max. 200		25-27,5 ; 26,5-28,5	13 = 1,3 cm²
		20 x 0,8 = 3,78 cm²	25 - 45	73	80, 110, 140, max. 200			
		36 x 1,0 = 8,46 cm²						
		24 x 1,5 = 7,05 cm²						
		20 x 2,0 = 9,50 cm²						

Typ D



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	ØA	Gewindelänge Thread length Longueur de filetage Largura de la rosca	Schaft Shaft Longueur de tige Tija	ØB
	D	24 x 0,2 = 0,91 cm²	1 1/4" WW	32	20, 30, 45, +5+5...	80, 110, 140, 200, 250, 300, 350, ...	21 = 3,4 cm²
		36 x 0,2 = 1,37 cm²	M30 x 3.5	30	30		
		36 x 0,3 = 2,05 cm²	G 3/4"	26,5	20, 30, 45, +5+5...		
		36 x 0,5 = 3,42 cm²	1" WW	25,4	20, 45, +5+5...	80, 110, 140, 200, 250, 300, 350, ...	16 = 2,0 cm²
		36 x 0,8 = 5,46 cm²	M24	24	25, 45, +5+5...		
		24 x 1,0 = 4,56 cm²	M22 x 1,5	22	45, +5+5...		
		24 x 1,5 = 6,84 cm²	G 1/2"	21	20		
		20 x 2,0 = 7,00 cm²	M20	20	45, +5+5...	80, 110, 140, 200, ...	13 = 1,3 cm²
		8 x 2,5 = 3,5 cm²	G 3/8"	16,7	20		
		8 x 5,0 = 7,00 cm²					

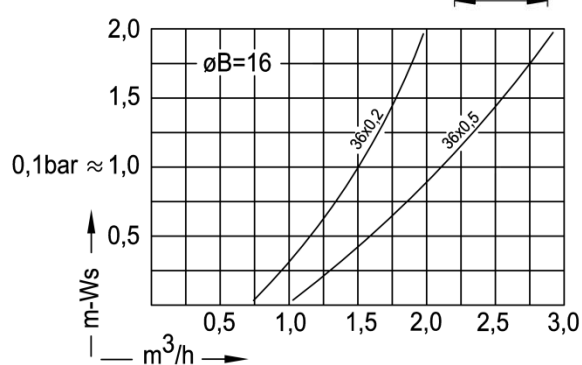
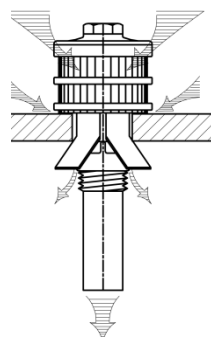
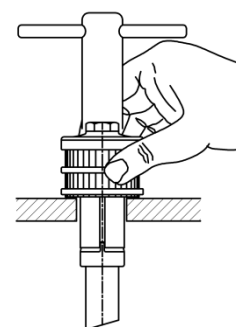
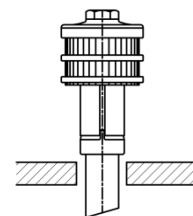
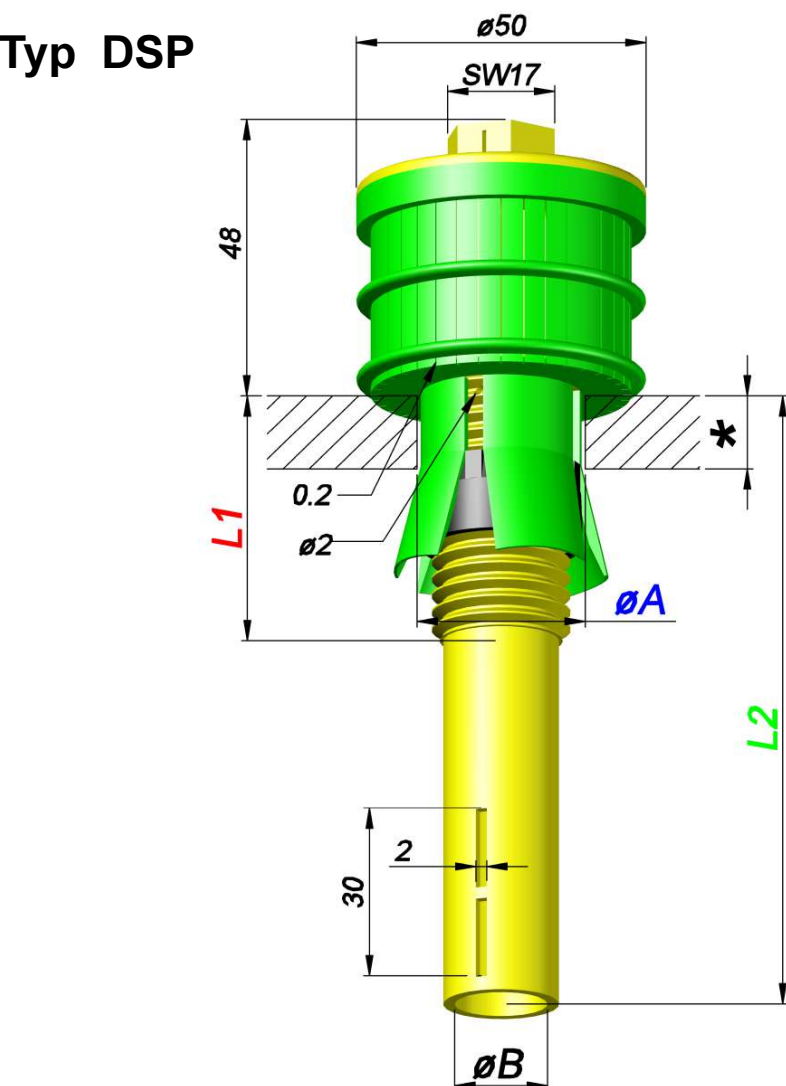
Filterdüsen

Filter-Nozzles

Crépines à filtre

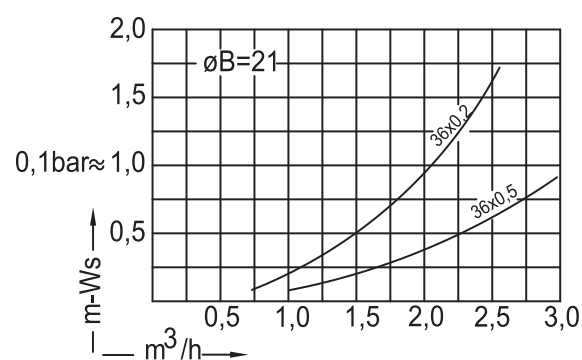
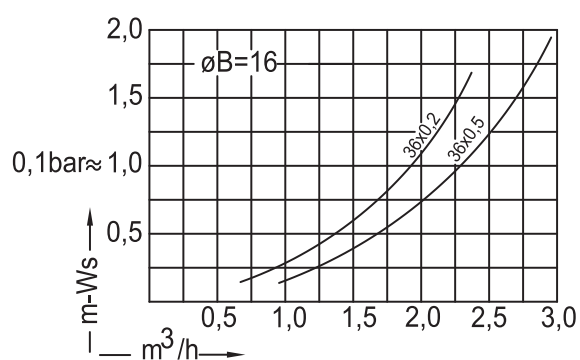
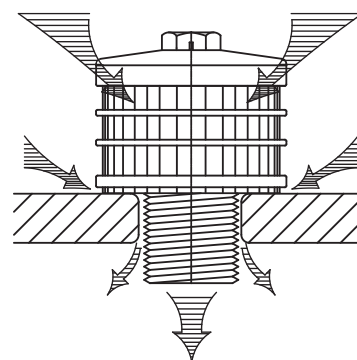
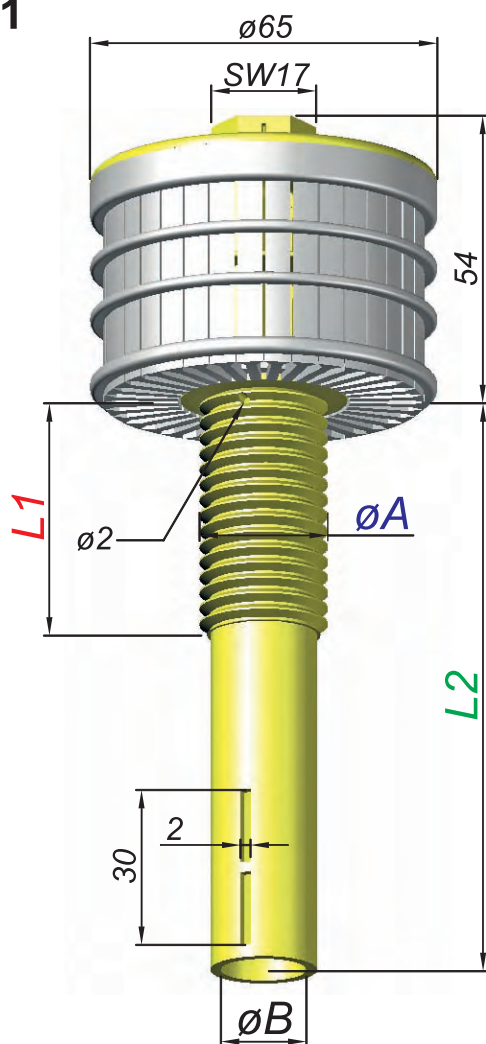
Toberas filtrantes

Typ DSP



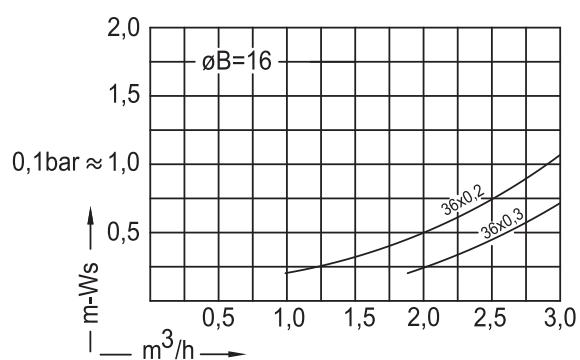
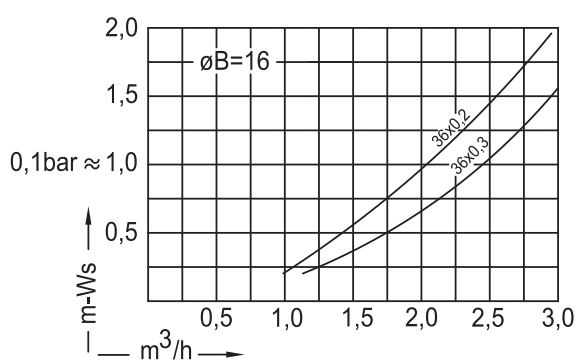
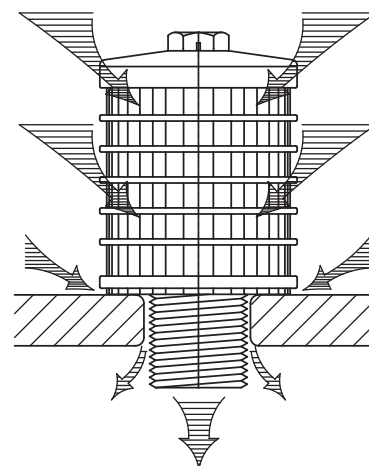
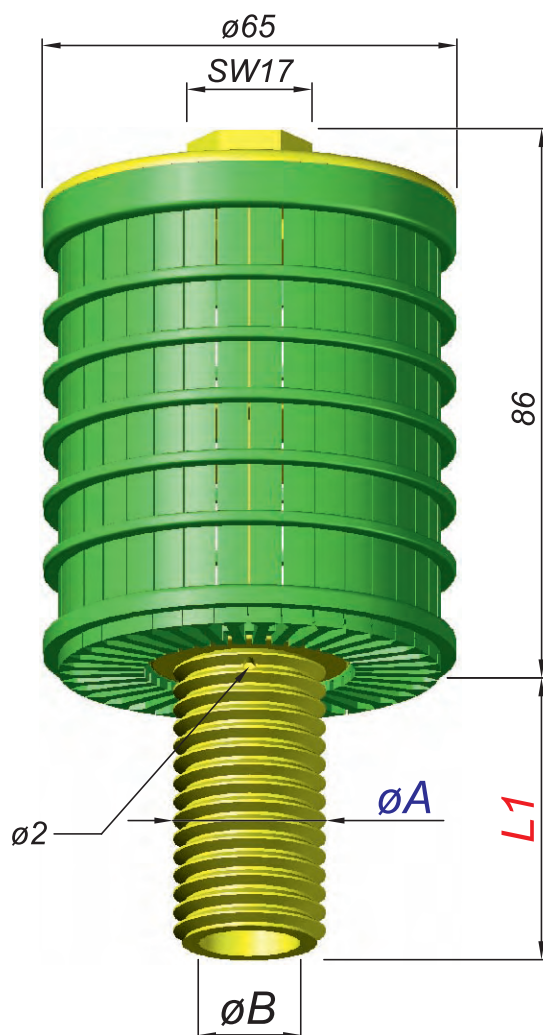
Bestellung Ordering Commande Encargo	Type Type Type Tipa	Schlitze Slots Fentes Ranuras	*	L1	Schaft Shaft Longueur de tige Tija	L2	øA	øB
	DSP	36 x 0,2 = 1,37 cm²	8 - 28	50	80, 110, 140, 200, 250		28-29,5; 29,5-31,5; 31,5-33;	16 = 2,0 cm²
		36 x 0,3 = 2,05 cm²	25 - 45	73	110, 140, 200, 250		33-34,5; 34,5-36;	
		36 x 0,5 = 3,42 cm²						
		36 x 1,0 = 6,84 cm²						
		36 x 0,2 = 1,37 cm²	8-28	50	100, 110, 140, max. 200		25-27,5	13 = 1,3 cm²
		36 x 0,3 = 2,05 cm²	8-28	50	100, 110, 140, max. 200		26 - 28	
		36 x 0,5 = 3,42 cm²	25-45	73	100, 110, 140, max. 200		25-27,5	
		36 x 1,0 = 6,84 cm²	25-45	73	100, 110, 140, max. 200		26 - 28	

Typ C1



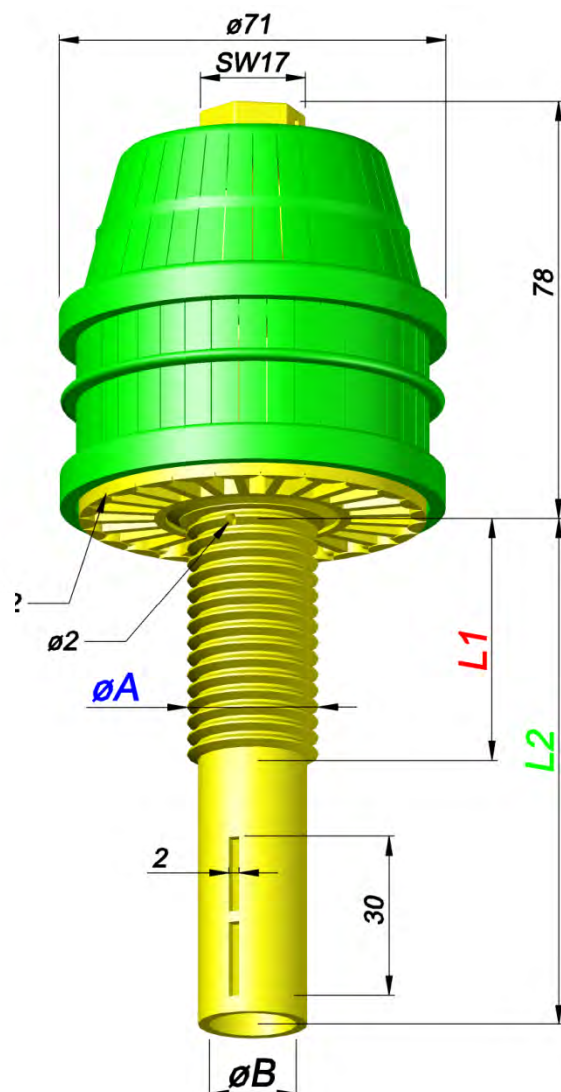
Bestellung Ordering Commande Encargo	Type Type Type Tipa	Schlitze Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	$\varnothing A$	Gewindelänge Thread length Longueur de filetage Largura de la rosca	Schaft Shaft Longueur de tige Tija	$\varnothing B$
	C1	$36 \times 0,2 = 1,95 \text{ cm}^2$	1 1/4" WW	32	25, 30, 45	80, 110, 140, 200, 250, 300, 350, ...	21 = 3,4 cm^2
		$36 \times 0,3 = 2,90 \text{ cm}^2$	M30	30 x 3.5	30		
		$36 \times 0,5 = 4,90 \text{ cm}^2$	G 3/4"	26,5	20, 45, +5+5...		
		$36 \times 0,7 = 6,80 \text{ cm}^2$	1" WW	25,4	20, 45, +5+5...	80, 110, 140, 200, 250, 300, 350, ...	16 = 2,0 cm^2
		$36 \times 1,0 = 9,80 \text{ cm}^2$	M24	24	20, 45, +5+5...		

Typ C2

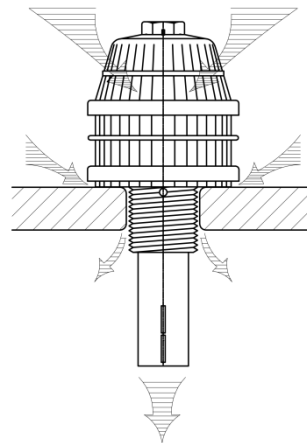


Bestellung Ordering Commande Encargo	Type Type Type Tipa	Schlitz Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	øA	Gewindelänge Thread length Longueur de filetage Largura de la rosca	L1	øB
	C2	36 x 0,2 = 3,70 cm² 36 x 0,3 = 5,50 cm² 36 x 0,5 = 9,61 cm²	1¼"WW	32	25, 30, 45		21 = 3,4 cm²
			M30 x 3.5	30	30		
			G 3/4"	26,5	20, 45, +5+5...		16 = 2,0 cm²
			1"WW	25,4	45		
			M24	24	20, 45, +5+5...		

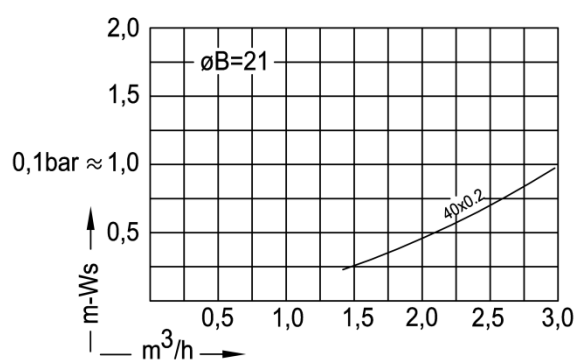
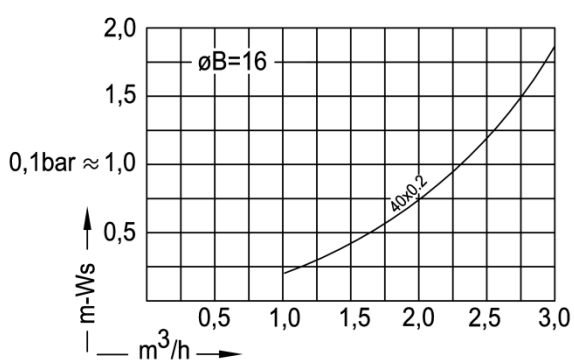
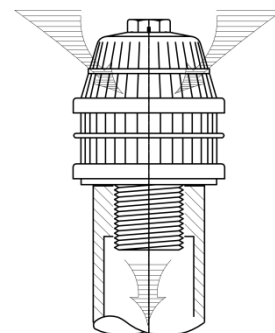
Typ K2



Typ K2

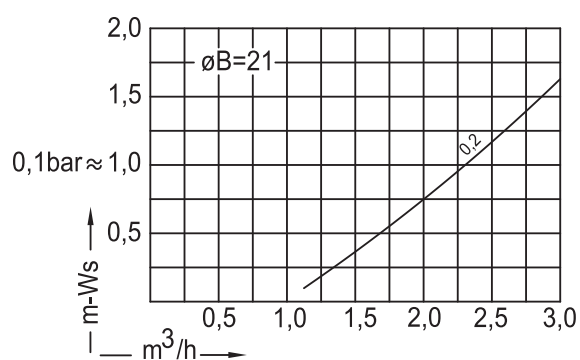
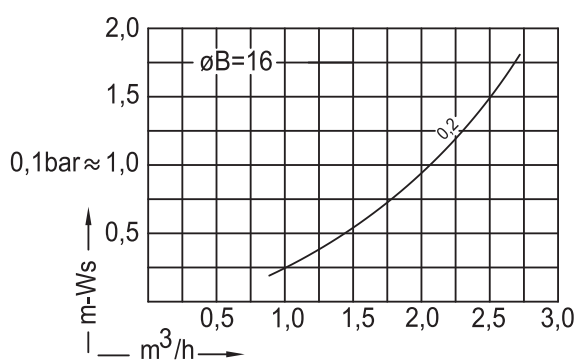
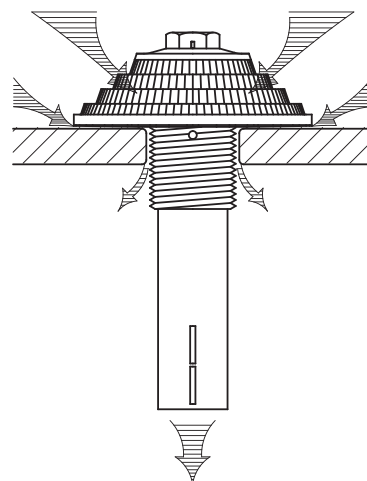
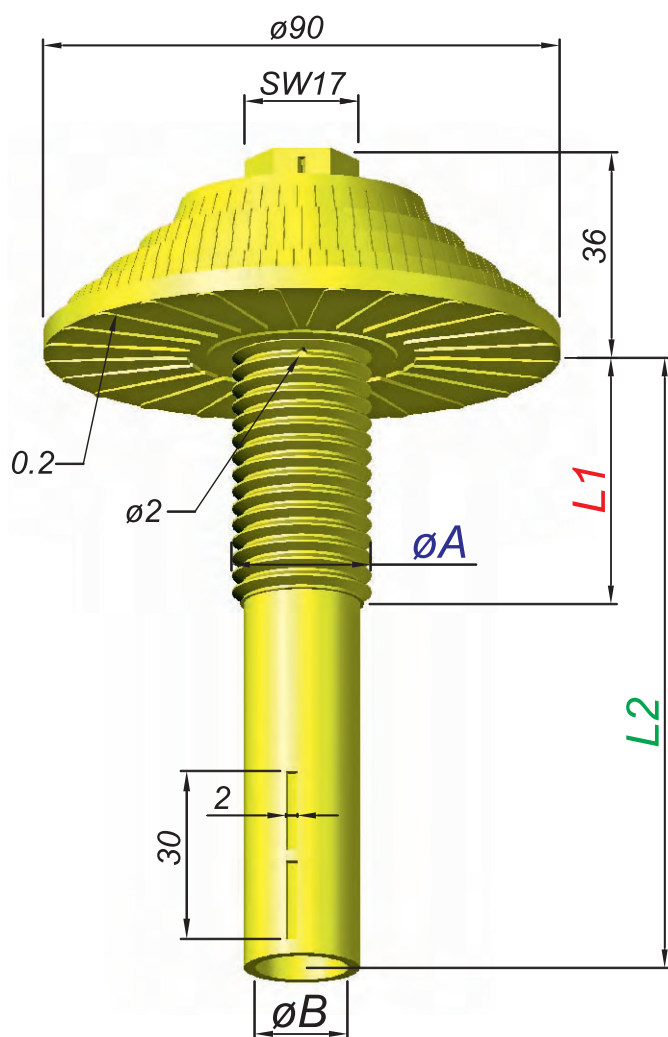


Typ KR2

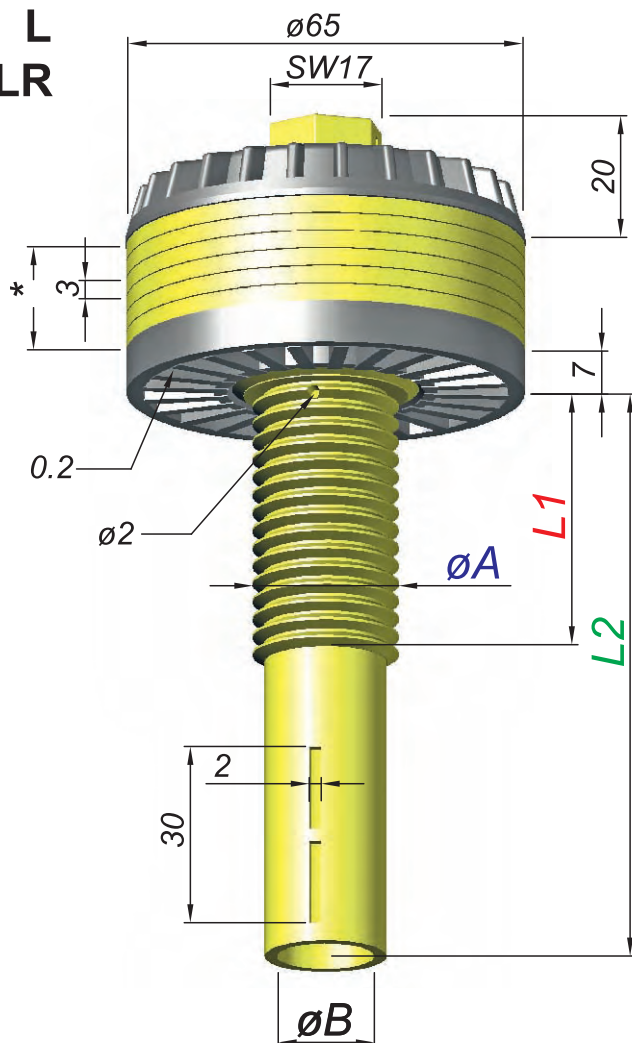
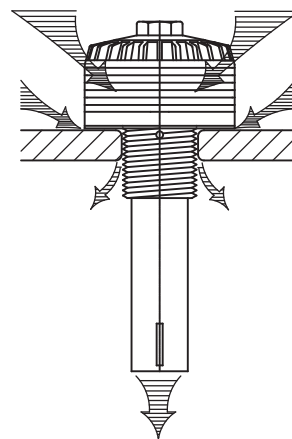
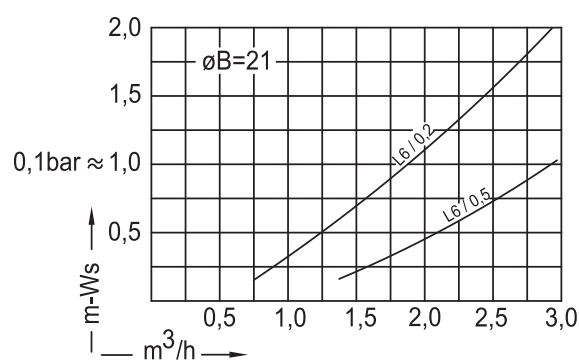
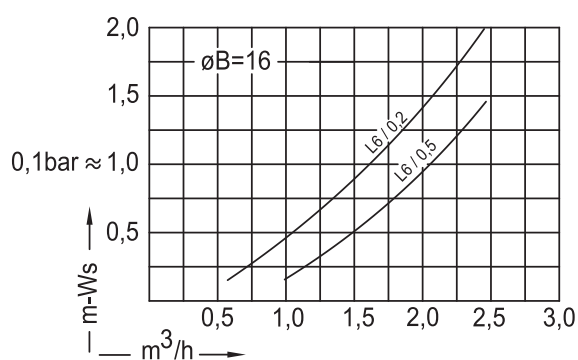
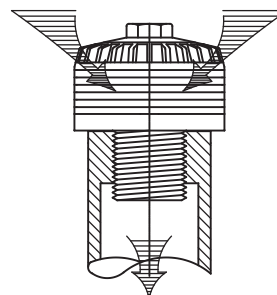


Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	$\varnothing A$	Gewindelänge Thread length Longueur de filetage Largura de la rosca	Schaft Shaft Longueur de tige Tija	$\varnothing B$
	K2	40 x 0,2 = 3,63 cm² 40 x 0,35 = 6,35 cm²	1 1/4"WW	32	25, 45	80, 110, 140, ...	21 = 3,4 cm²
			M30 x 3.5	30	30		
			G 3/4"	26,5	25, 45	80, 110, 140, ...	16 = 2,0 cm²
			M24	24	25, 45		
	KR2						

Typ P

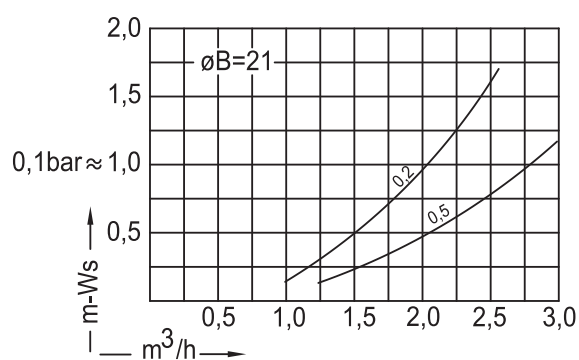
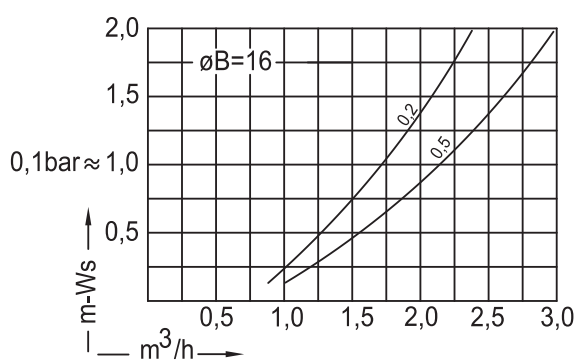
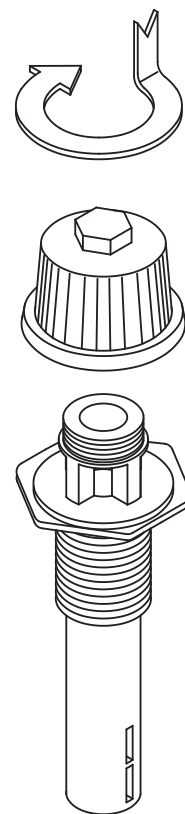
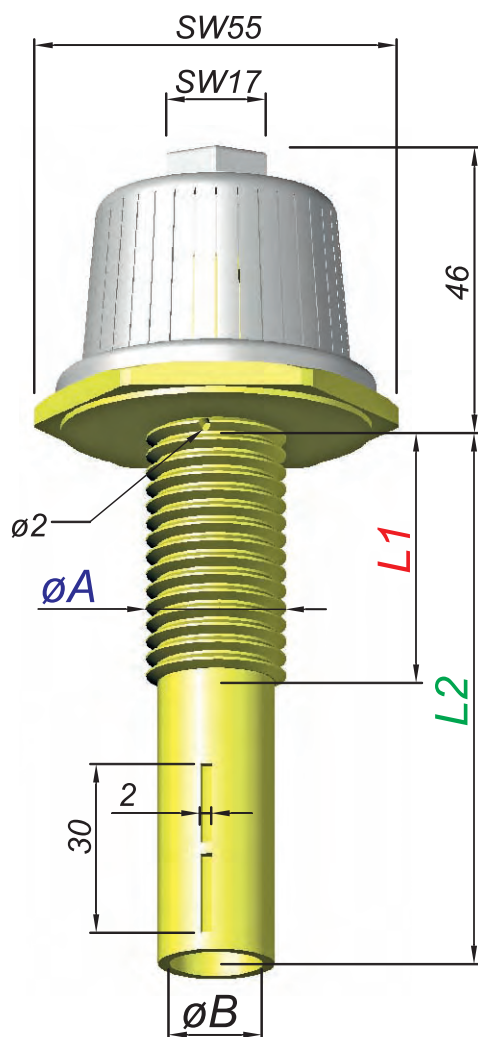


Bestellung Ordering Commande Encargo	Type Type Type Tipa	Schlitz Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	$\varnothing A$	Gewindelänge Thread length Longueur de filetage Largura de la rosca	Schaft Shaft Longueur de tige Tija	$\varnothing B$
	P	0,2 = 3,0 cm ²	1½"WW	32	25, 45, +5 +5 ...	80, 110, 140	21 = 3,4 cm ²
			G 3/4"	26,5	20, 45, +5 +5 ...	80, 110, 140	16 = 2,0 cm ²
			1"WW	25,4	20, 45		
			M24	24	20, 45, +5 +5 ...		

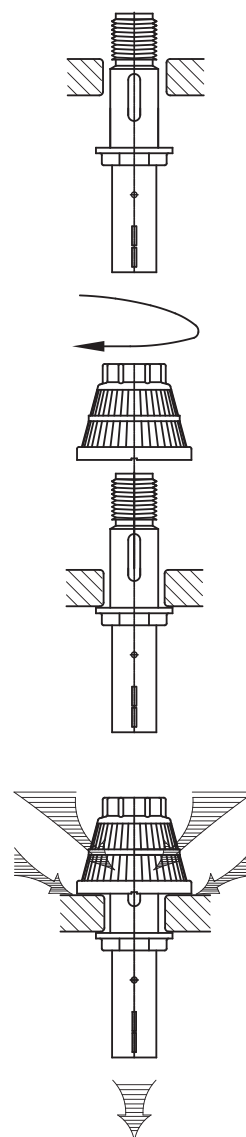
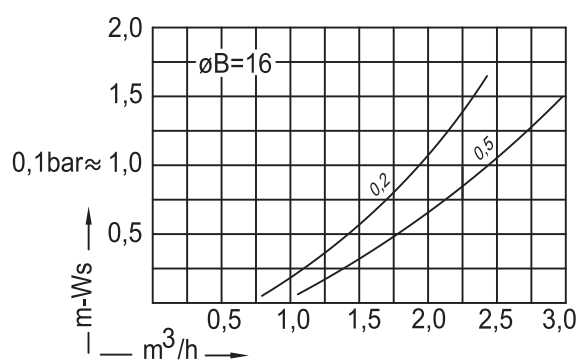
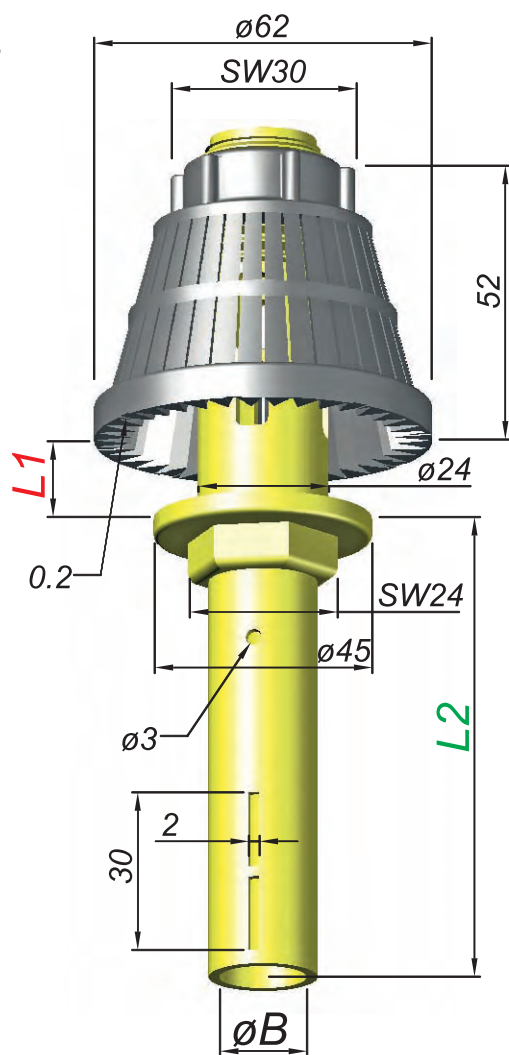
Filterdüsen
Filter-Nozzles
Crépines à filtre
Toberas filtrantes
**Typ L
/ LR**

Typ L6

Typ LR6


Bestellung Ordering Commande Encargo	Type Type Type Tipa	*	Schlitze Slots Fentes Ranuras	pro Ring per Ring	Gewinde Thread Filetage Rosca	ØA	Gewindelänge Thread length Longueur de filetage Largura de la rosca	Schaft Shaft Longueur de tige Tija	ØB
	L LR	2	0,1 = 0,2 cm ²		1¼"WW	32	20, 30, 45, +5+5...	80, 110, 140, ...	21 = 3,4 cm ²
		5	0,15 = 0,3 cm ²		M30	30	30		
		6	0,2 = 0,4 cm ²		G 3/4"	26,5	20, 30, 45, +5+5...	80, 110, 140, ...	16 = 2,0 cm ²
		10	0,3 = 0,6 cm ²		1 "WW	25,4	20, 45, +5+5...		
		12	0,3 = 0,6 cm ²		M24	24	25, 45, +5+5...		
		15	0,5 = 1,0 cm ²		M22x1,5	22	45, +5+5...		
					M20	20	45, +5+5...	80, 110, 140, ...	13 = 1,3 cm ²

Typ S1

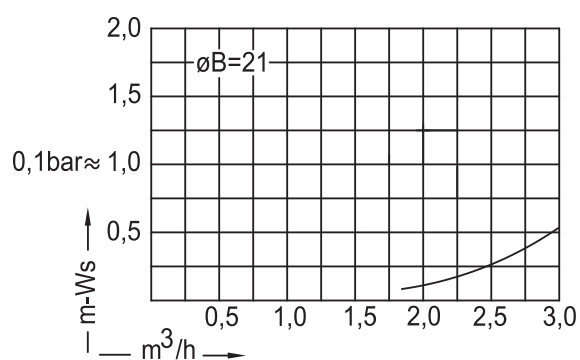
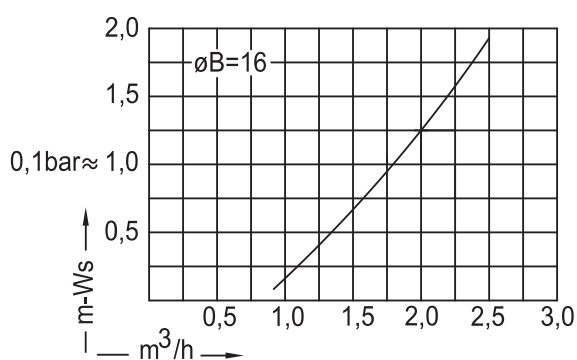
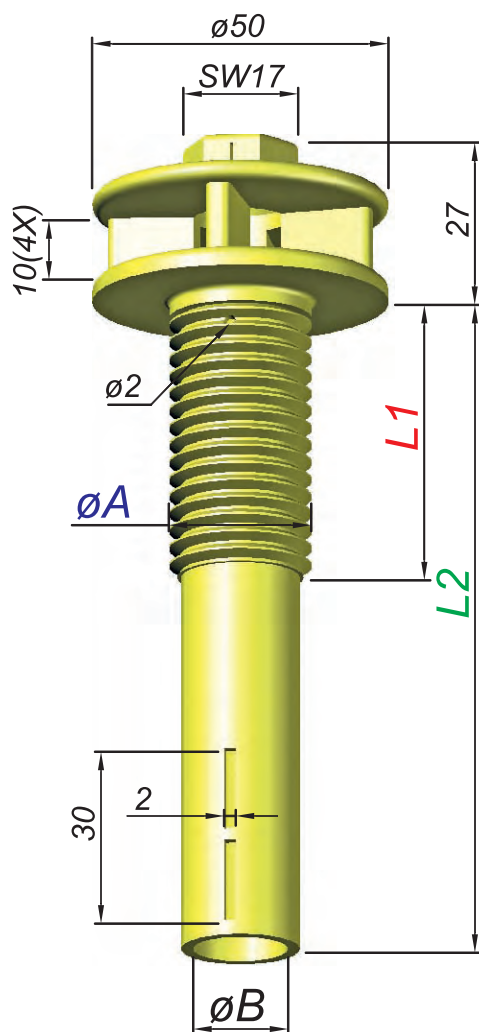


Bestellung Ordering Commande Encargo	Type Type Type Tipa	Schlitze Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	ØA	Gewindelänge Thread length Longueur de filetage Largura de la rosca	Schaft Shaft Longueur de tige Tija	ØB
	S1	36 x 0,2 = 1,72 cm ² 36 x 0,35 = 2,65 cm ² 30 x 0,5 = 3,78 cm ² 18 x 1,0 = 4,64 cm ² 18 x 2,0 = 9,29 cm ²	G 1"	33,25	20	80, 110, 140, 200, 250, 300, 350, ...	21 = 3,4 cm ²
			1¼"WW	32	25, 30, 45		
			M30	30	30		
			G 3/4"	26,5	20, 45, 50, +5 +5...	80, 110, 140, 200, 250, 300, 350, ...	16 = 2,0 cm ²
			1"WW	25,4	45		
			M24	24	20, 45, 50, +5 +5...		

Filterdüsen
Filter-Nozzles
Crépines à filtre
Toberas filtrantes
Typ S3


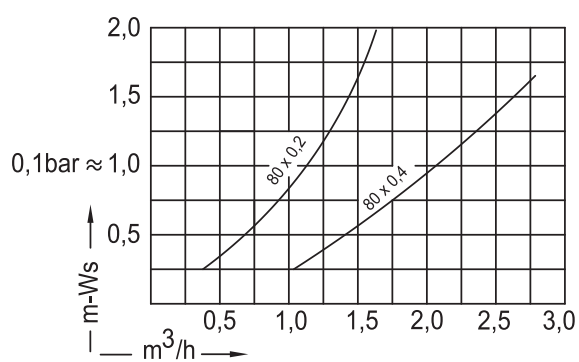
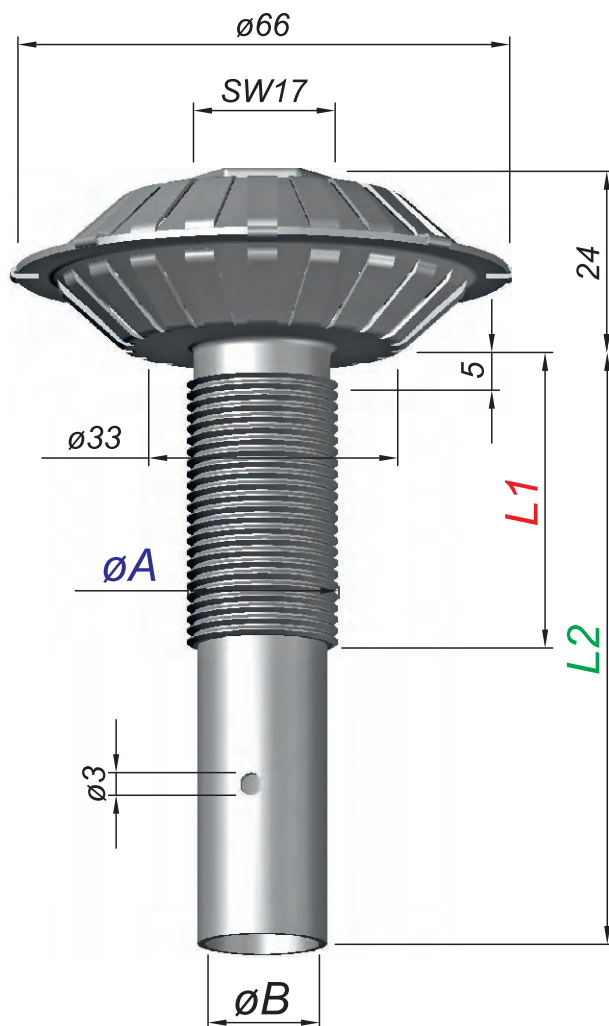
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	Bodenstärke plate thickness Epaisseur du plancher Espesor placa	Schaft Shaft Longueur de tige Tija	$\varnothing B$
	S3	40 x 0,2 = 3,04 cm ² 40 x 0,5 = 5,84 cm ² 40 x 0,7 = 8,18 cm ²	6 - 12	80, 110, 140, ...	16 = 2,0 cm ²
			12 - 20		
			20 - 30		
			30 - 40		

Typ G

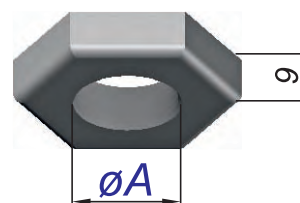


Bestellung Ordering Commande Encargo	Type Type Type Tipa	Schlitz Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	øA	Gewindelänge Thread length Longueur de filetage Largura de la rosca	L1	Schaft Shaft Longueur de tige Tija	L2	øB
	G	5 = 2,0 cm²	G 1"	33,25	20		80, 110, 140, 200, 250, 300, 350, ...		21 = 3,4 cm²
			1½" WW	32	20, 30, 45, +5+5...				
			M30 x 3.5	30	30				
			G 3/4"	26,5	20, 30, 45, +5+5...		80, 110, 140, 200, 250, 300, 350, ...		16 = 2,0 cm²
			1" WW	25,4	20, 45, +5+5...				
			M24	24	25, 45, +5+5...				
			M22 x 1,5	22	45, +5+5...				

Typ V10

V4A
(316L)

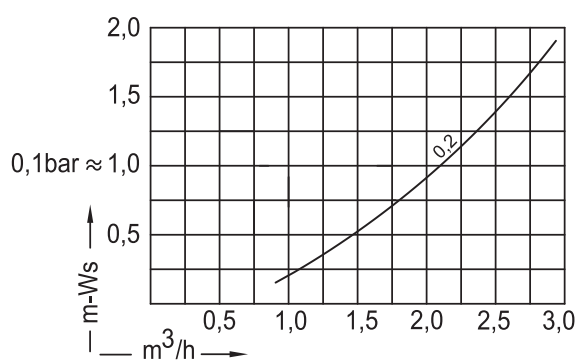
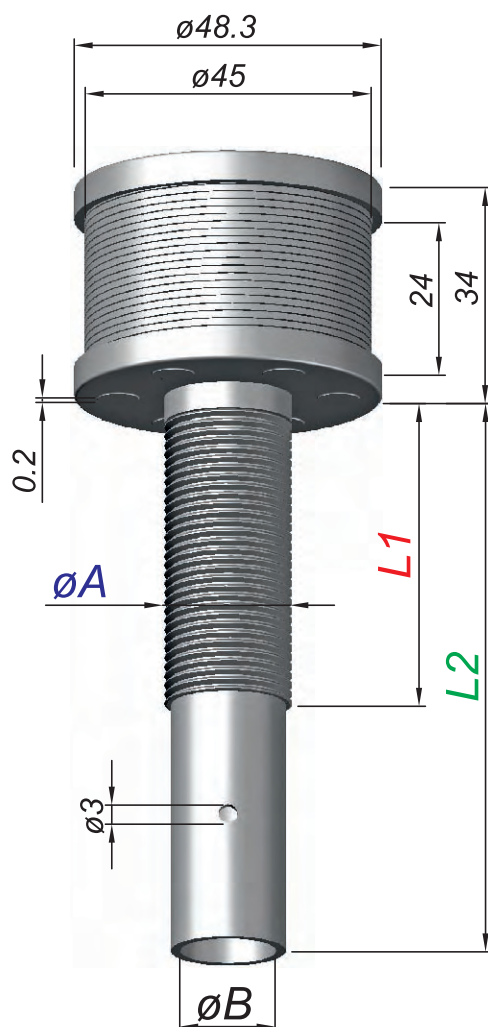
Typ MUVA



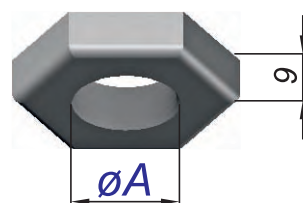
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	ØA	Gewindelänge Thread length Longueur de filetage Largura de la rosca	L1	Schaft Shaft Longueur de tige Tija	L2	ØB
	V10	80 x 0,2 = 1,68 cm ² 80 x 0,4 = 3,52 cm ²	M20x1,5	20	35 +5 +5 ...		80, 100, ...		16 = 2,0 cm ²
	MUVA		M20x1,5						

Typ V20

V4A
(316L)



Typ MUVA



Bestellung Ordering Commande Encargo	Type Type Type Tipa	Schlitze Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	øA	Gewindelänge Thread length Longueur de filetage Largura de la rosca	Schaft Shaft Longueur de tige Tija	øB
	V20	0,2 = 5,65 cm ²	M20x1,5	20	40, +5 +5...	80, 100, ...	16 = 2.0 cm ²
	MUVA		M20x1,5				

Filterdüsensatz

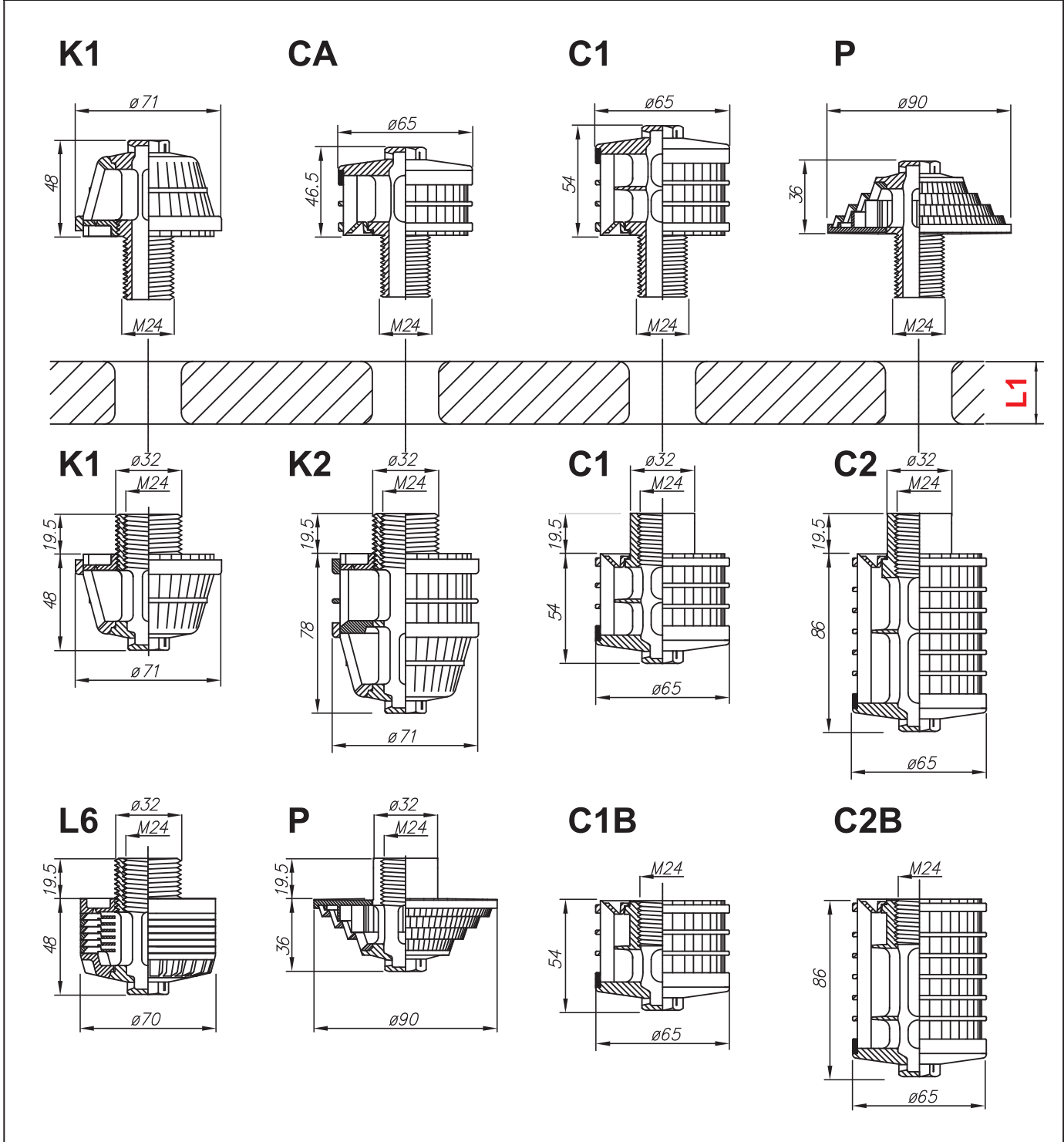
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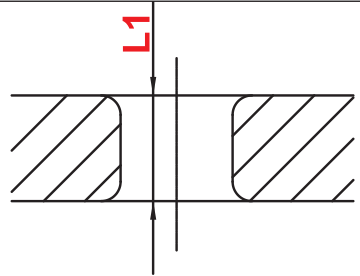
Filter-Nozzles-Set

For intermediate bottoms

Crépines à filtreAssortiment pour planches
intermédiaies**Conjuto de**Toberas para
placas intermedias

Filterdüsensatz für Zwischenböden	Filter-Nozzles-Set For intermediate bottoms	Crépines à filtre Assortiment pour planches intermédiaies	Conjunto de Toberas para placas intermedias
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Bestellung Ordering Commande Encargo	Typ obere Düse Type upper nozzle Type crépines supérieures Tipo toberas Superior	Schlitz Slots Fentes Ranuras	Typ untere Düse Type lower nozzle Type crépines inférieures Tipo tobera Inferior	Schlitz Slots Fentes Ranuras	Bodenstärke Plate thickness Epaisseur du plancher Espesor placa
	K1	0,2 0,35 0,5	K1	0,2 0,35 0,5 - 2,0	
	C1	0,2 0,3 0,5	K2	0,2 0,35	
	P	0,2	C1	0,2 0,3 0,5 - 2,0	
	CA	0,4	C1B	0,2 0,3 0,5 - 2,0	
			C2	0,2 0,3	
			C2B	0,2 0,3	
			L	0,2 0,3 0,5	
			P	0,2	

Gegenstromventil

Zur besseren Verteilung
der Regeneriermittel

Counter Flow Valve

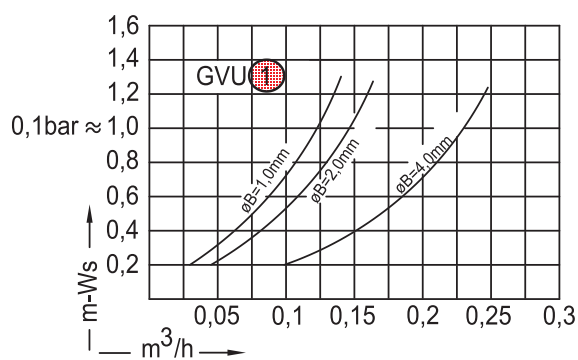
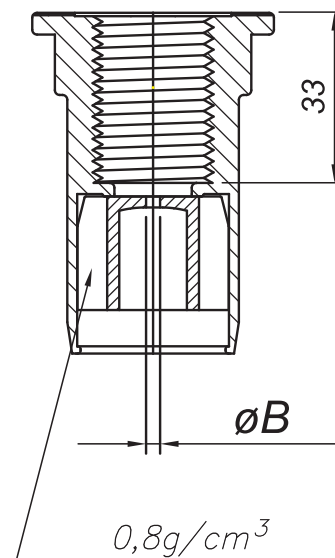
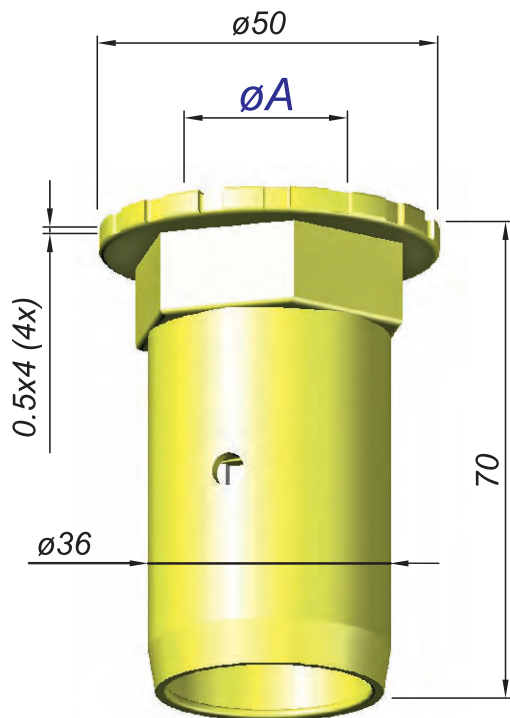
For the uniform distribution
of the regenerants

Soupape à contre

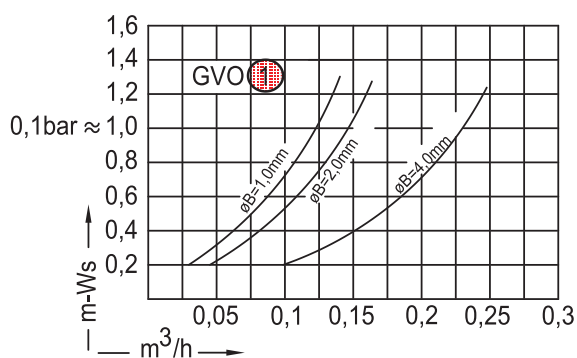
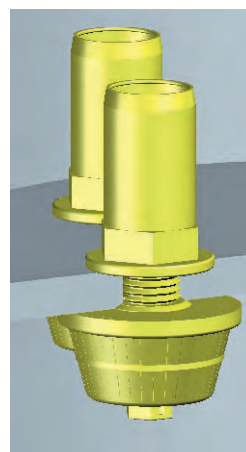
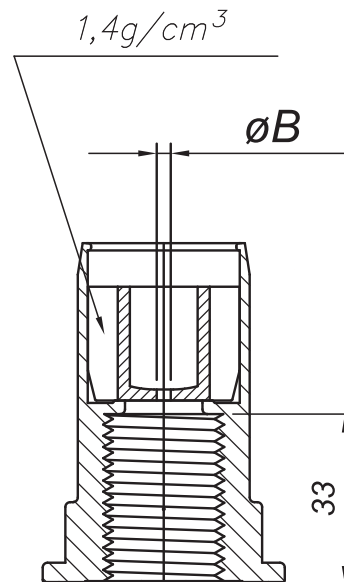
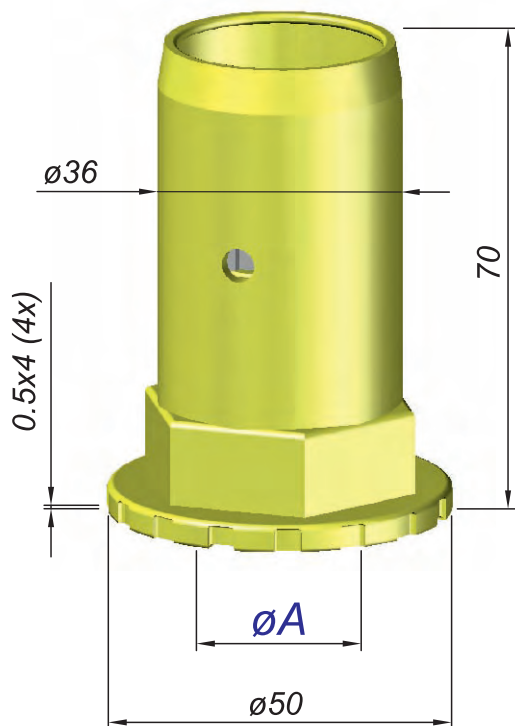
Pour une meilleure répartition
des solutions de régénération

Valvula de contra

Para la distribución uniforme de
los reactivos de regeneración

Typ GVU

Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca	øA	øB	
	GVU	1¼" WW	32	ø1,0 - ø2,0 - ø3,0 - ø4,0 - ø5,0 - ø6,0 - ø7,0 mm	
		G 3/4"	26,5		
		M24	24		
		M20	20		

GegenstromventilZur besseren Verteilung
der Regeneriermittel**Counter Flow Valve**For the uniform distribution
of the regenerants**Soupape à contre**Pour une meilleure répartition
des solutions de régénération**Valvula de contra**Para la distribución uniforme de
los reactivos de regeneracion**Typ GVO**

Bestellung Ordering Commande Encargo	Type Type Type Tipa	Gewinde Thread Filetage Rosca	øA	øB	
	GVO	1¼" WW	32	ø1,0 - ø2,0 - ø3,0 - ø4,0 - ø5,0 - ø6,0 - ø7,0 mm	
		G 3/4"	26,5		
		M24	24		
		M20	20		

Filterdüsen

Zur besseren Verteilung
der Regeneriermittel

Filter-Nozzles

For the uniform distribution
of the regenerants

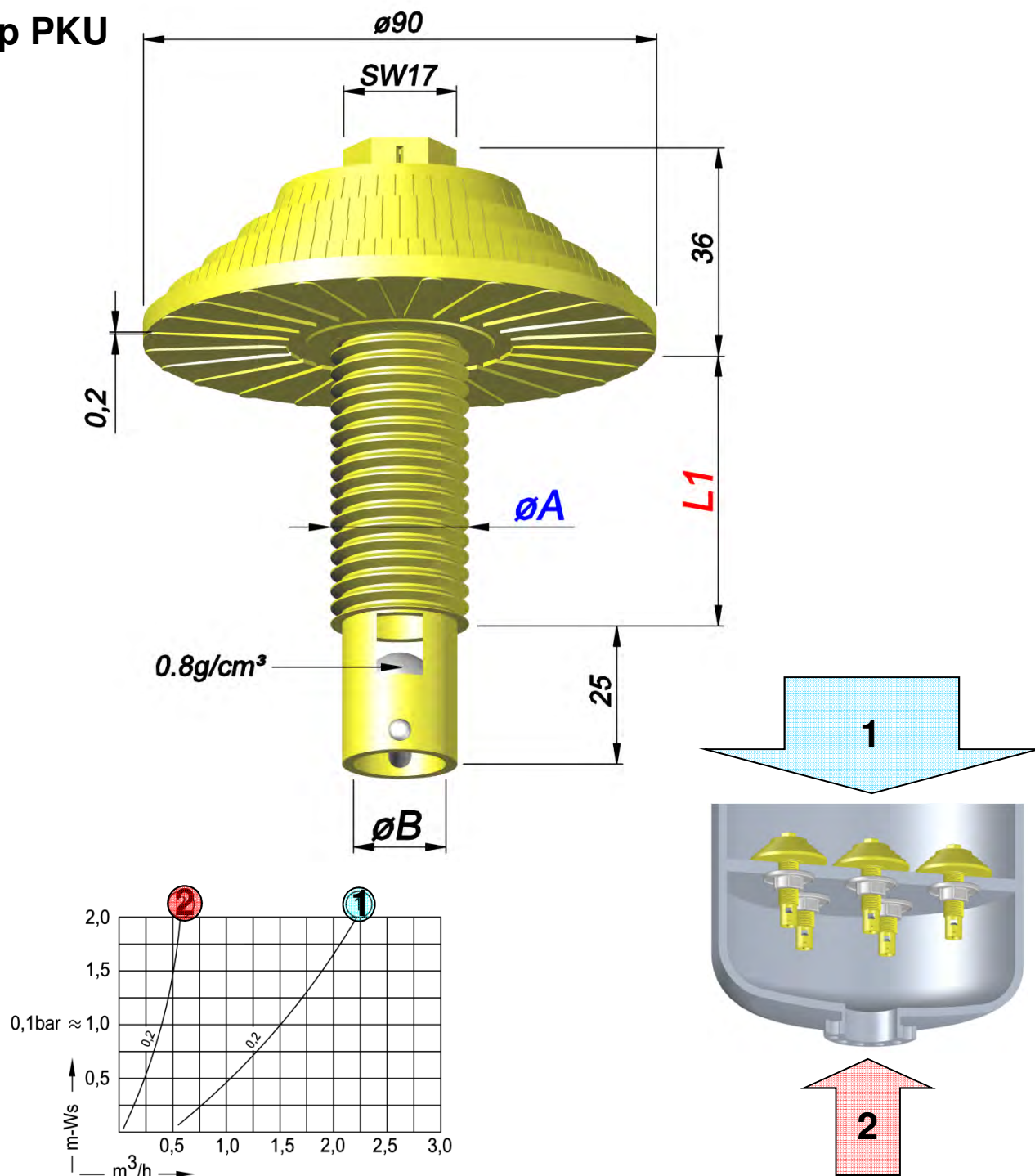
Crépines à filtre

Pour une meilleure répartition
des solutions de régénération

Toberas filtrantes

Para la distribución uniforme de
los reactivos de regeneración

Typ PKU



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitz Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	$\varnothing A$	$L1$	$\varnothing B$
	PKU	0,2 = 3,0 cm ² 0,3 = 4,5 cm ²	M24	24	45, 50, +5 +5...	16 = 2,0 cm ²

Filterdüsen

Zur besseren Verteilung
der Regeneriermittel

Filter-Nozzles

For the uniform distribution
of the regenerants

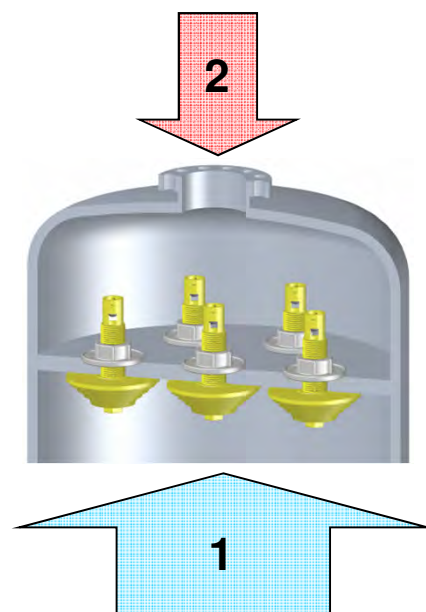
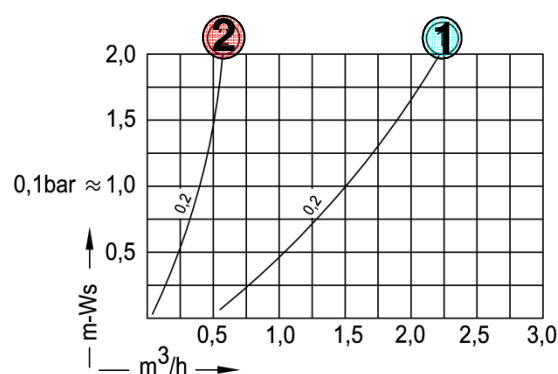
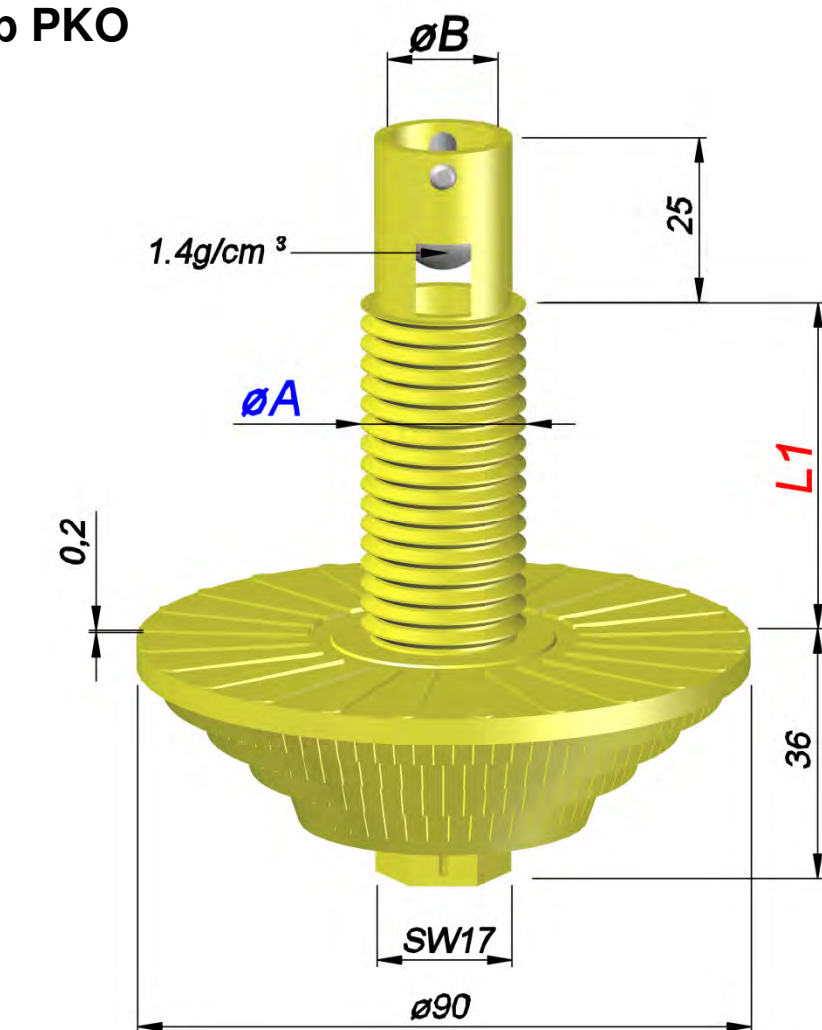
Crépines à filtre

Pour une meilleure répartition
des solutions de régénération

Toberas filtrantes

Para la distribución uniforme de
los reactivos de regeneracion

Typ PKO



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitz Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	$\varnothing A$	$L1$	$\varnothing B$
	PKO	0,2 = 3,0 cm ² 0,3 = 4,5 cm ²	M24	24	45, 50, +5 +5...	16 = 2,0 cm ²

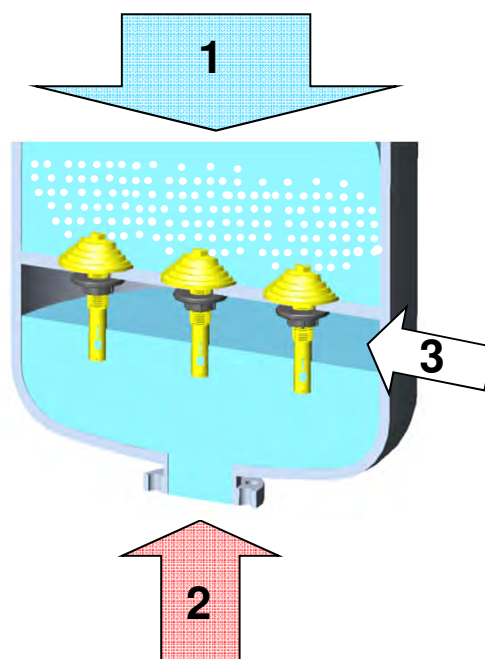
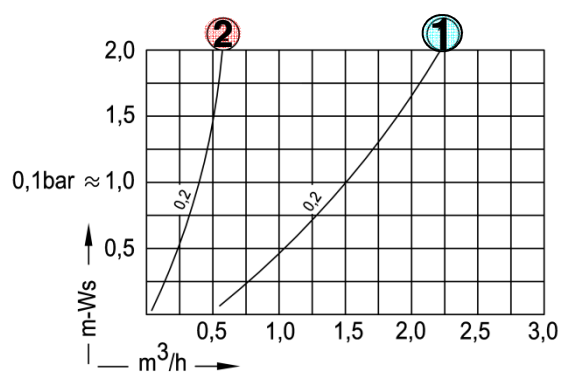
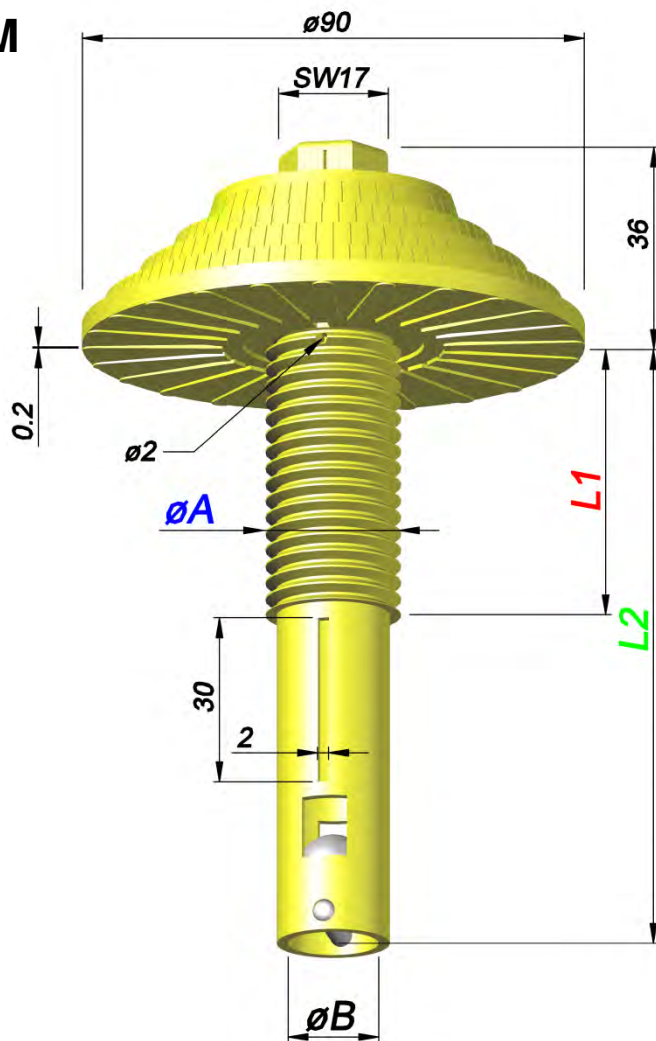
Mischbett
Filterdüsen

Mixbed
Filter-Nozzles

Crépines à filtre
Pour lit mélange

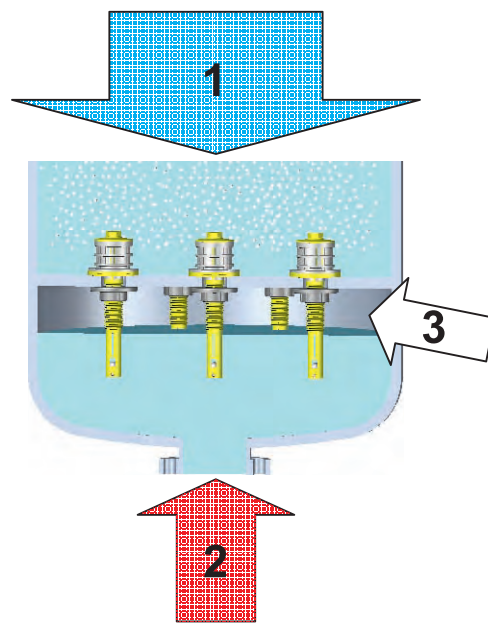
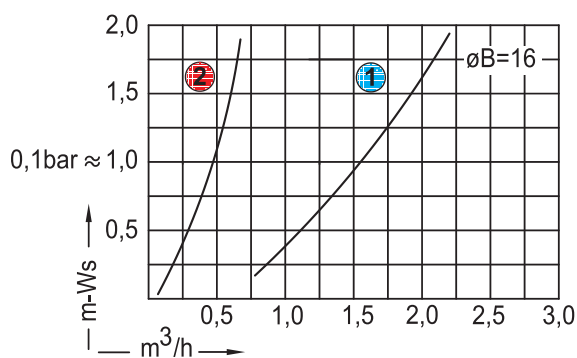
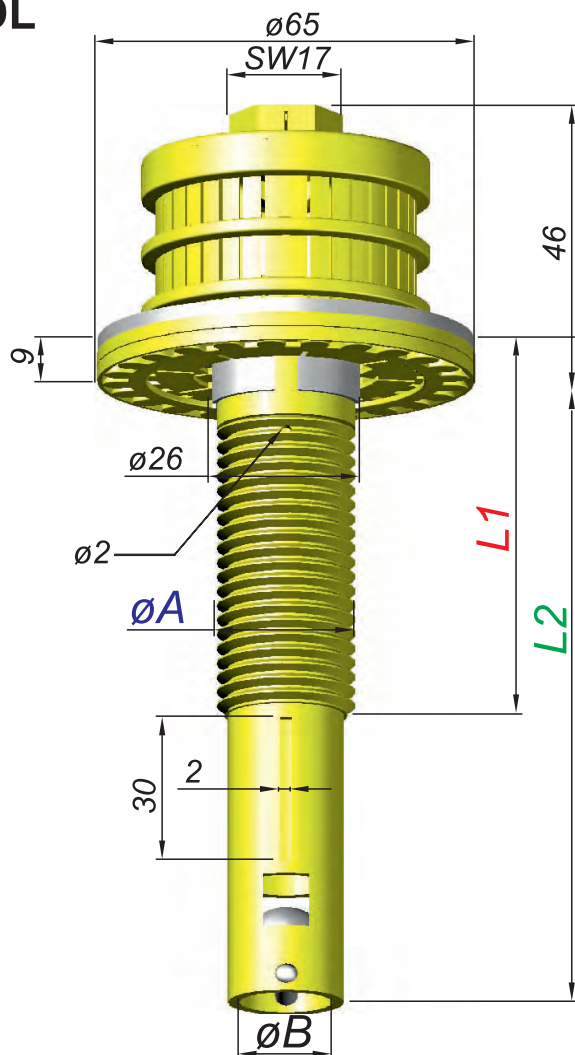
Toberas filtrantes
Para lechos mixtos

Typ M



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	øA	Gewindelänge Thread length Longueur de filetage Largura de la rosca	Schaft Shaft Longueur de tige Tija	øB
	M	0,2 = 3,0 cm² 0,3 = 4,5 cm²	G 3/4"	26,5	50	110	16 = 2,0 cm²
			M24	24			

Typ MDL



Bestellung Ordering Commande Encargo	Type Type Type Tipa	Schlitz Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	$\varnothing A$	Gewindelänge Thread length Longueur de filetage Largura de la rosca	Schaft Shaft Longueur de tige Tija	$\varnothing B$
					$L1$	$L2$	
	MDL	$24 \times 0,2 = 0,91 \text{ cm}^2$ $36 \times 0,2 = 1,37 \text{ cm}^2$	M24	24	60	120	$16 = 2,0 \text{ cm}^2$

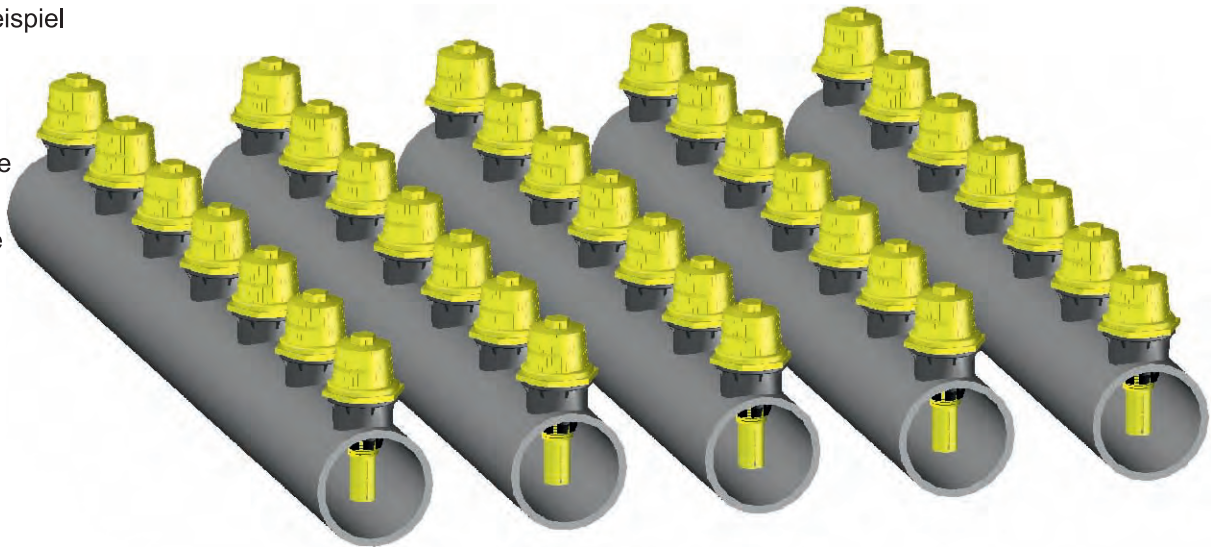
Filterdüsen für Drainagesystem	Filter-Nozzles for Drainage system	Système de drainage	Sistemas de drenaje
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Montagebeispiel

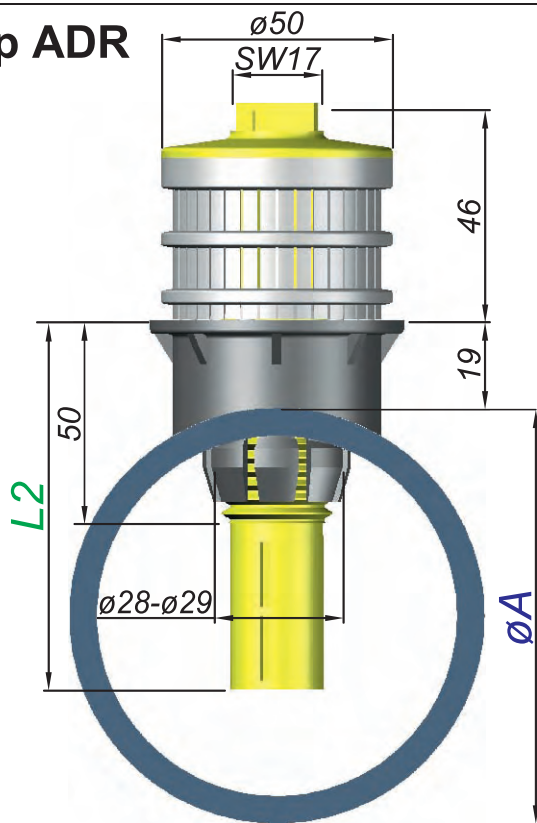
Installation
procedure

Exemple
de montage

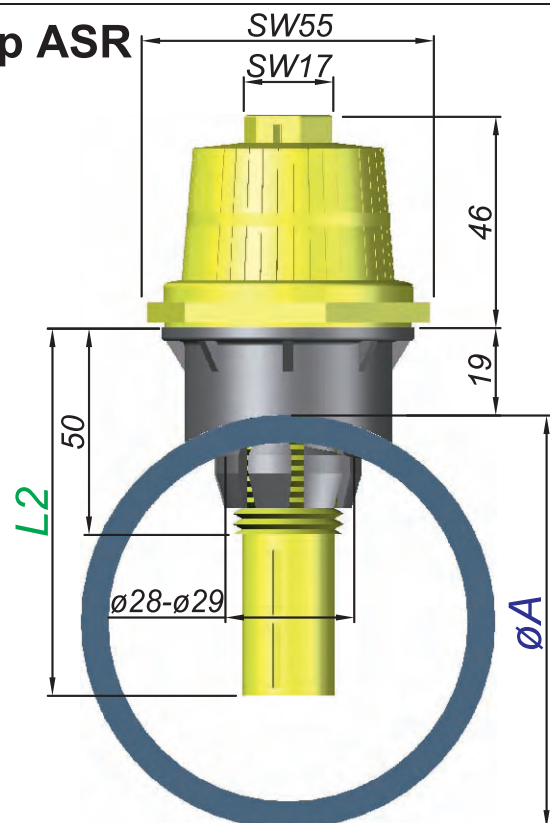
Ejemplo
de montaje



Typ ADR

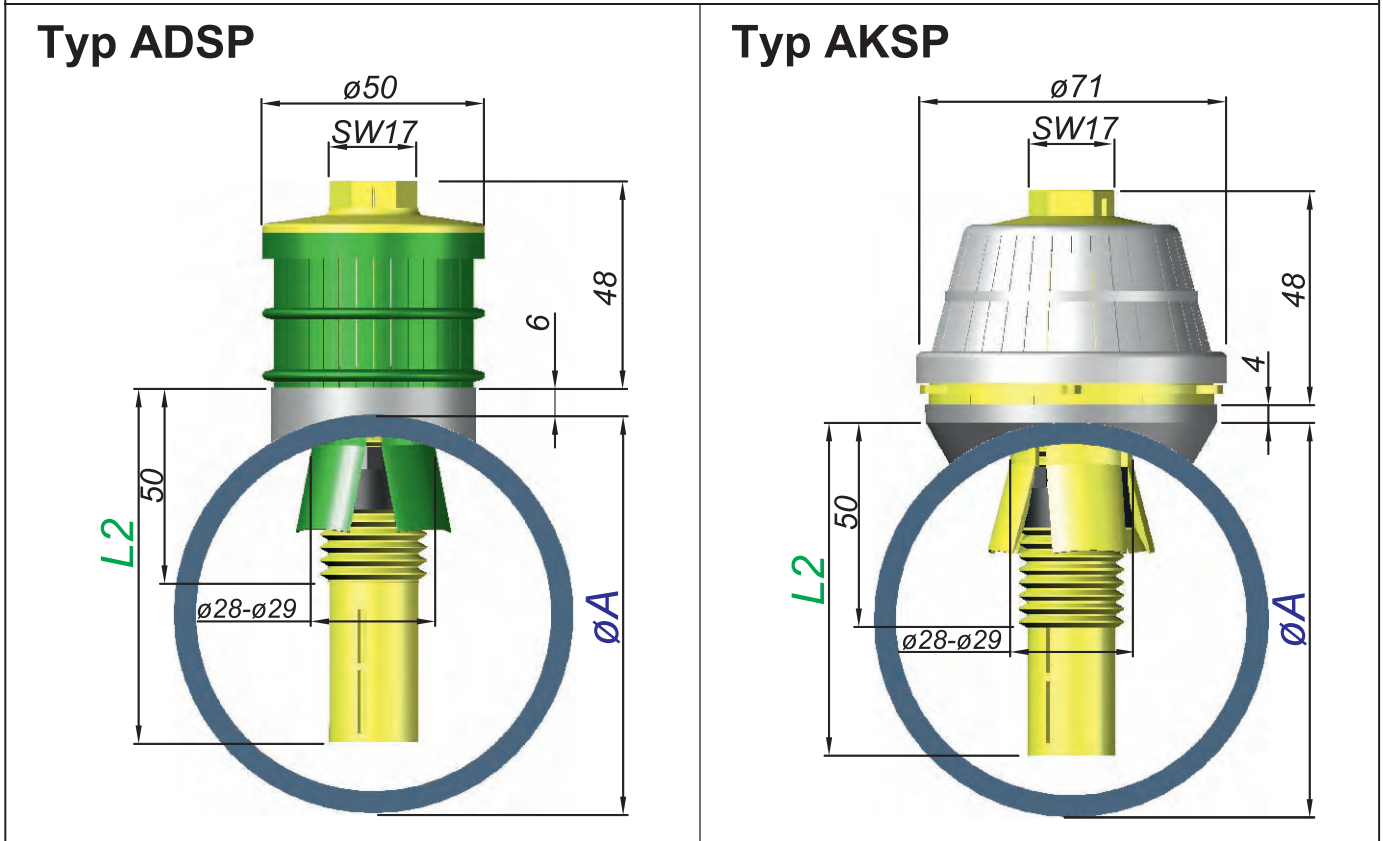
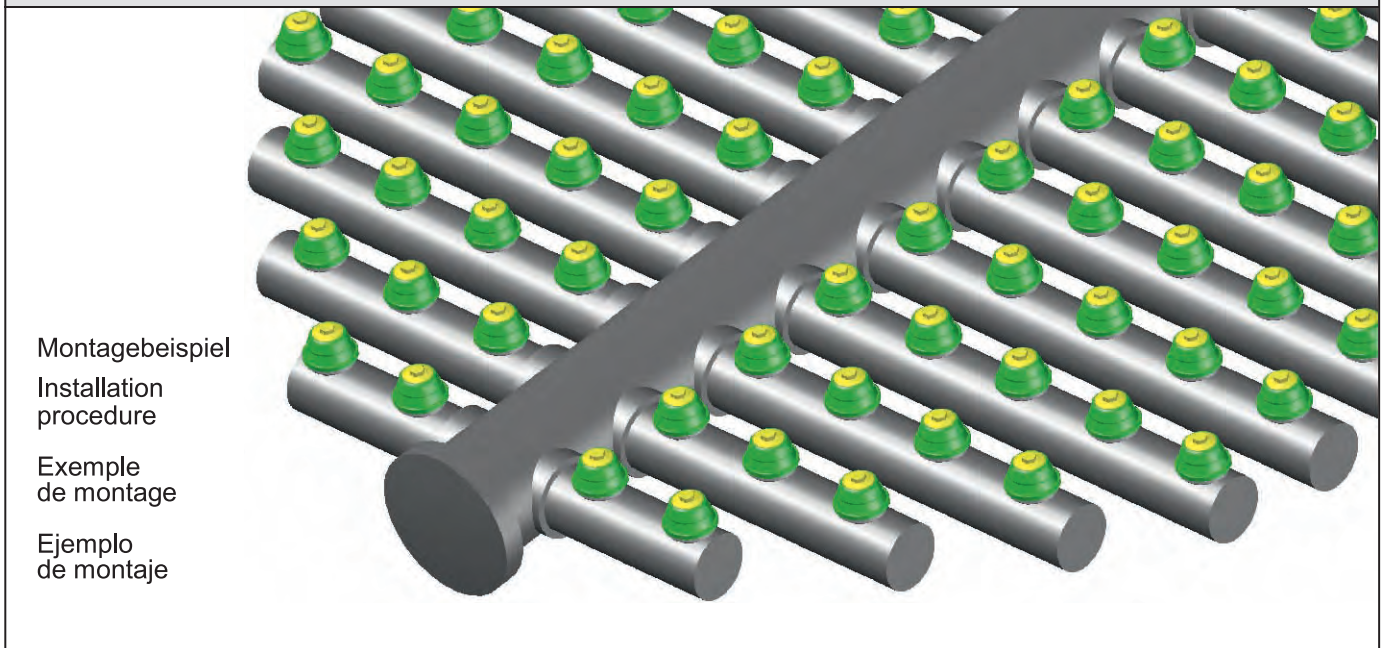


Typ ASR

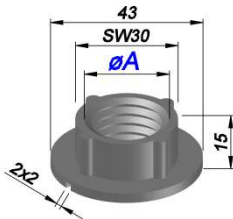
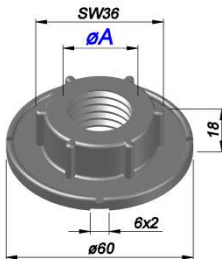
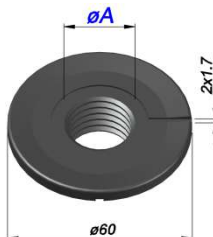
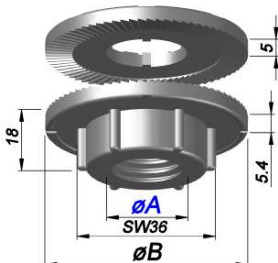
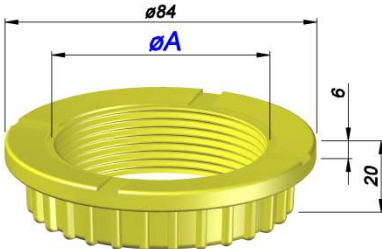
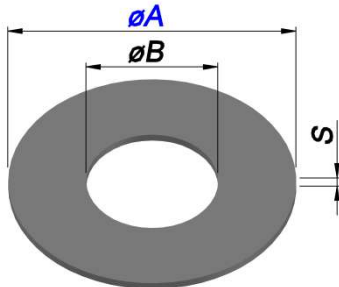


Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	ØA	Schaft Shaft Longueur de tige Tija	Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	ØA	Schaft Shaft Longueur de tige Tija
				L2					L2
	ADR	24 x 0,2 = 0,91 cm ² 36 x 0,2 = 1,37 cm ² 36 x 0,3 = 2,05 cm ² 36 x 0,5 = 3,42 cm ² 36 x 0,8 = 5,46 cm ² 24 x 1,0 = 4,56 cm ² 24 x 1,5 = 6,84 cm ² 20 x 2,0 = 7,00 cm ² 8 x 5,0 = 7,00 cm ²	60,3 63 75 90 110	Nach Angabe according detail selon détails adecuado detalle		ASR	36 x 0,2 = 1,72 cm ² 36 x 0,35 = 2,65 cm ² 30 x 0,5 = 3,78 cm ² 18 x 1,0 = 4,64 cm ² 18 x 2,0 = 9,29 cm ²	60,3 63 75 90 110	Nach Angabe according detail selon détails adecuado detalle

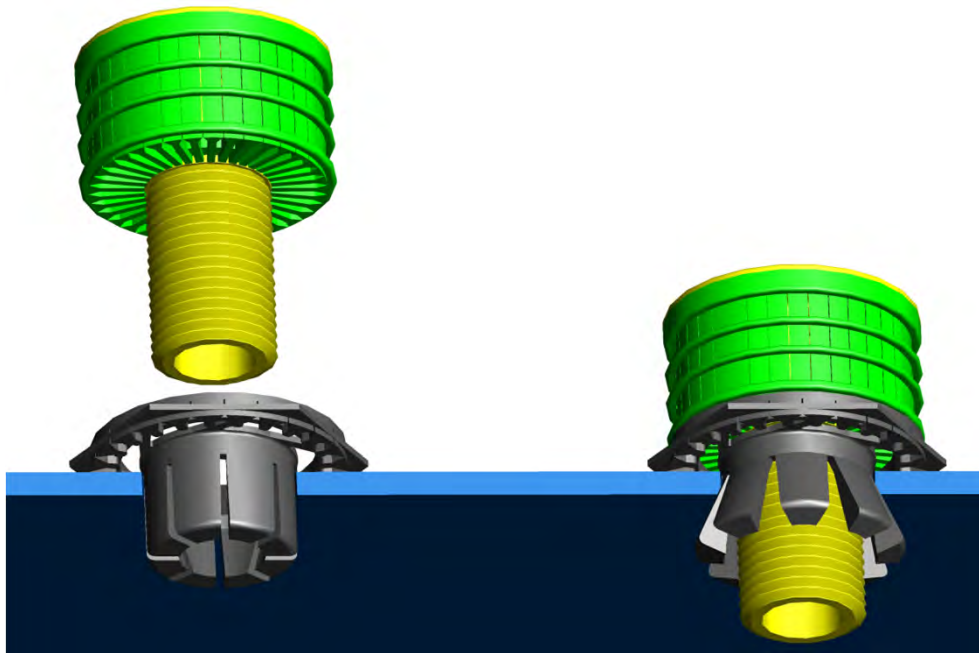
Filterdüsen für Drainagesystem	Filter-Nozzles for Drainage system	Système de drainage	Sistemas de drenaje
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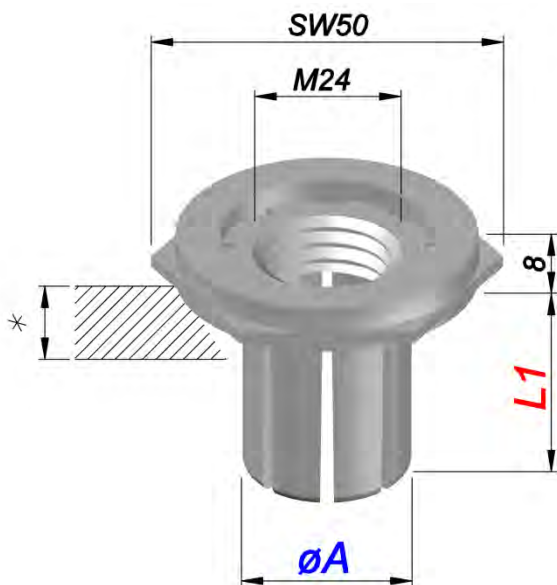
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	ØA	Schaft Shaft Longueur de tige Tija	L2	Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	ØA	Schaft Shaft Longueur de tige Tija	L2
	ADSP	36 x 0,2 = 1,37 cm ² 36 x 0,3 = 2,05 cm ² 36 x 0,5 = 3,42 cm ² 36 x 1,0 = 6,84 cm ²	60,3 63 75 90 114 147 165 219 273 324	Nach Angabe according detail selon détails adecuado detalle			AKSP	40 x 0,2 = 1,95 cm ² 36 x 0,35 = 2,96 cm ² 20 x 0,5 = 2,35 cm ² 36 x 0,5 = 4,23 cm ² 20 x 0,8 = 3,78 cm ² 36 x 1,0 = 8,46 cm ² 24 x 1,5 = 7,05 cm ² 20 x 2,0 = 9,50 cm ²	60,3 63 75 90 114 147 165 219 273 324	Nach Angabe according detail selon détails adecuado detalle	

Muttern und Scheiben	Nuts and Washers	Ecrous et joints	Tuerca y Arandela					
Typ MU43		Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca øA				
			MU43	1"WW M24 M22x1,5 M20	G1/2" G3/8"			
Typ MU60		Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca øA				
			MU60	1 1/4" WW 1"WW G 3/4" M24 M22x1,5 M20 M30				
Typ MUL60		Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca øA				
			MUL60	1 1/4" WW 1"WW G 3/4" M24 M22x1,5 M20				
Typ MUZ		Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca øA	øB			
			MUZ	M24 1 1/4"WW G 3/4" M24	50 60			
Typ MU84		Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca øA				
			MU84	G 2" G 1 1/2"				
Typ DP Typ DG		Bestellung Ordering Commande Encargo	Typ Type Type Tipa	øA	øB	S	Material Material Materiau Material	
			DP	50	32; 30; 28; 25; 21	2	PP	
					32; 25	5		
					32; 30; 25	7		
				70	32; 30; 28; 25; 21	2		
		32; 30; 28	7					
		DG	50		32; 28; 25; 21	2	EPDM (KTW)	
70								
90								

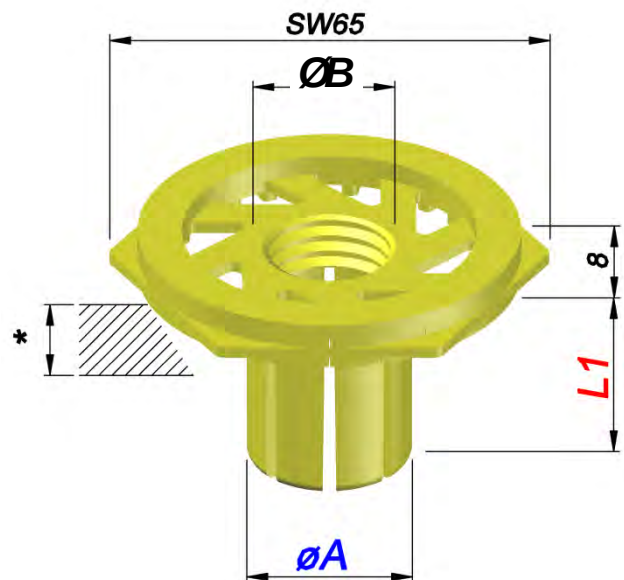
Dübel	Expanding ring (dowel)	Douilles expansives	Anillas de expansion
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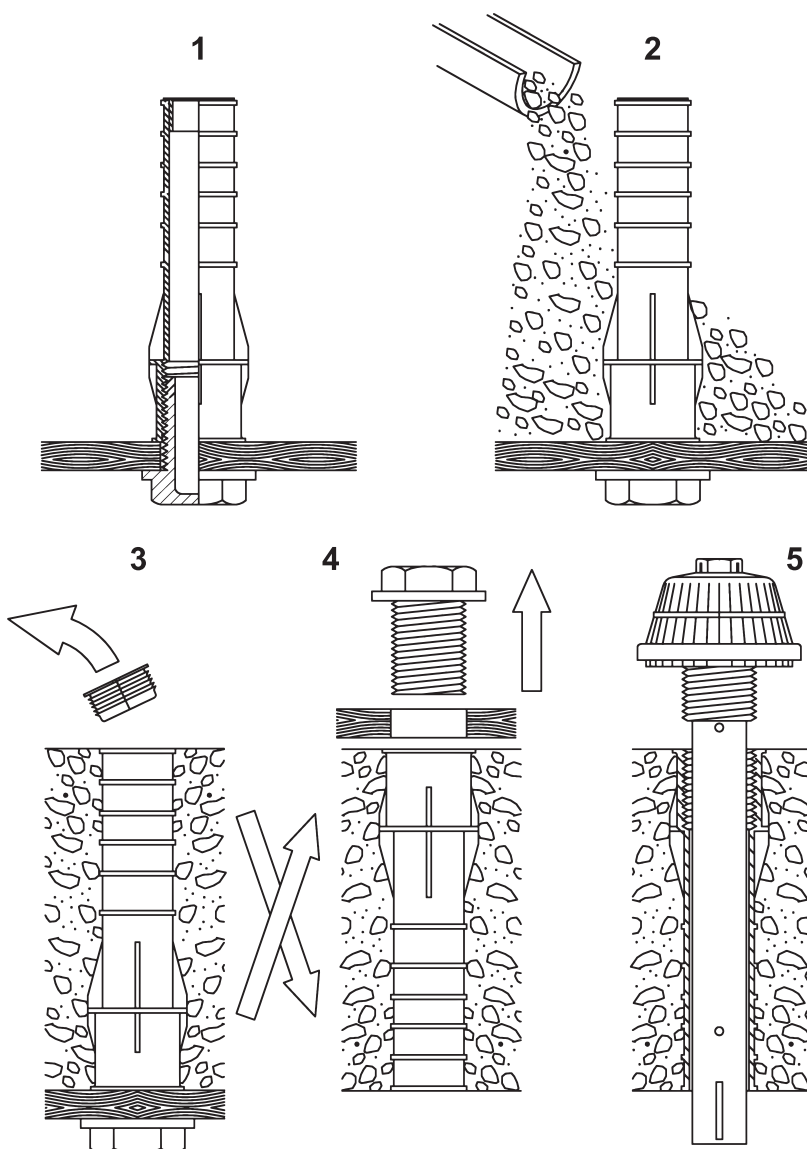
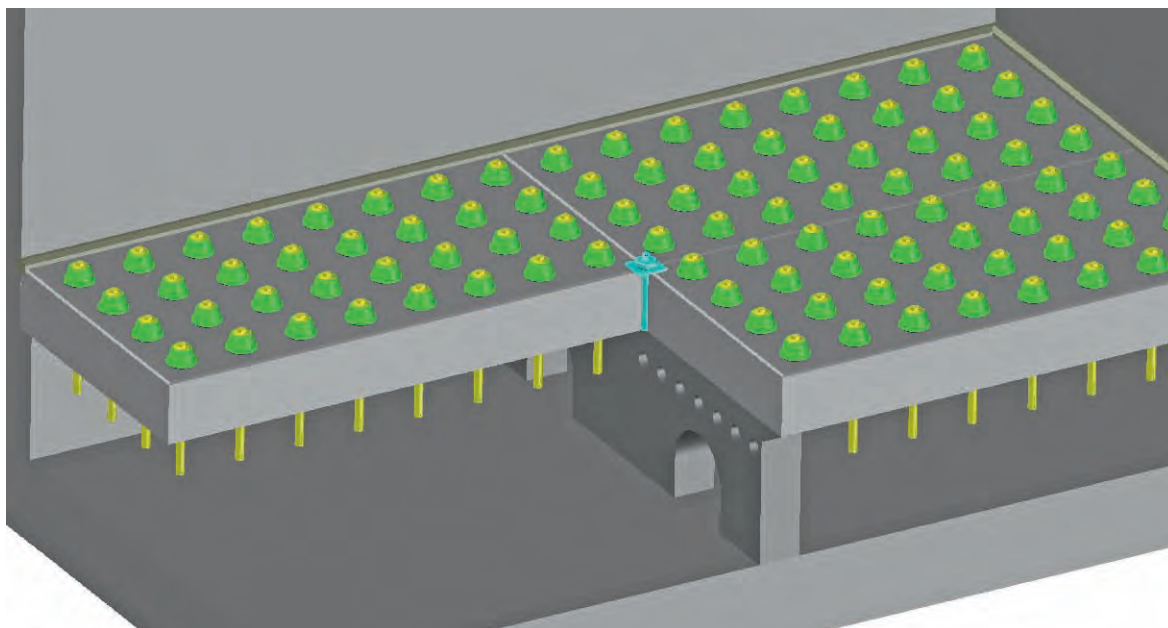
Typ DB50



Typ DB65

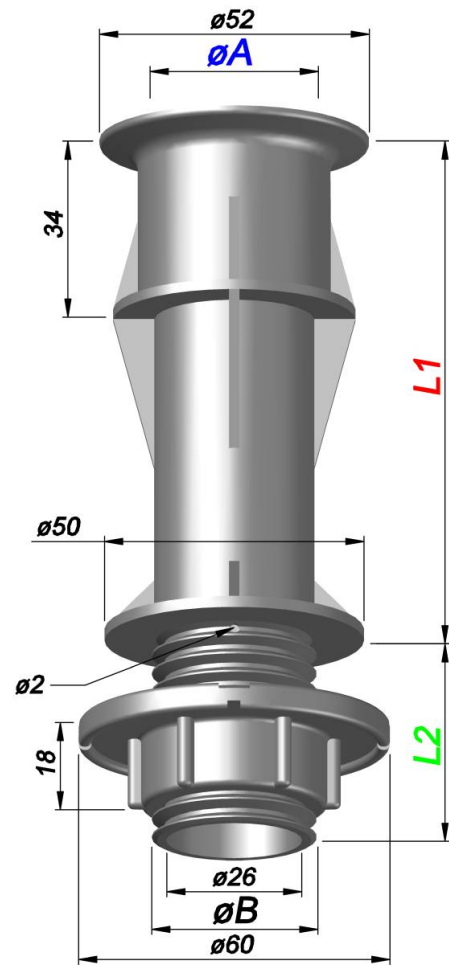
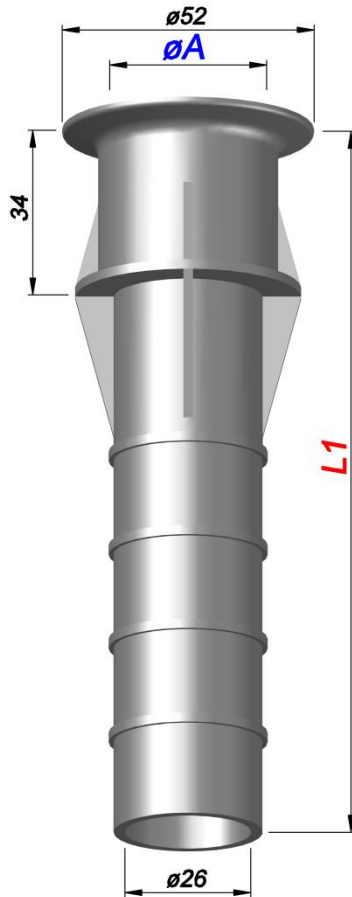


Bestellung Ordering Commande Encargo	Typ Type Type Tipa	øA	Bodenstärke plate thickness Epaisseur du plancher Espesor placa	*	L1	Bestellung Ordering Commande Encargo	Typ Type Type Tipa	øA	Bodenstärke plate thickness Epaisseur du plancher Espesor placa	*	øB	L1			
	DB50	ø28	8 - 12 - elfenbein / ivory		36		DB65	ø28	8 - 12 - elfenbein / ivory		M24	36			
			12 - 17 - grau / grey						12 - 17 - grau / grey						
			17 - 22 - schwarz / black						17 - 22 - schwarz / black						
			22 - 27 - blau / blue						22 - 27 - blau / blue						
									DB65	ø32	8 - 12 - elfenbein / ivory		M24	30	
											12 - 17 - grau / grey				12 - 17 - grau / grey
											17 - 22 - schwarz / black				17 - 22 - schwarz / black
											22 - 27 - blau / blue				22 - 27 - blau / blue
							DB65	ø38	8 - 12 - elfenbein / ivory	1¼"ww		30			
									12 - 17 - grau / grey				12 - 17 - grau / grey		
									17 - 22 - schwarz / black				17 - 22 - schwarz / black		
									22 - 27 - blau / blue				22 - 27 - blau / blue		



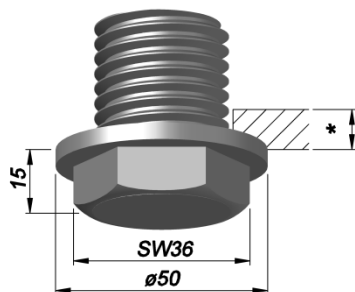
Buchsen für Beton- Filterböden	Sleeves for concrete - floors	Douilles et accessoires pour planchers béton	Casquillos para fondos de filtros de hormigon
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Typ B32

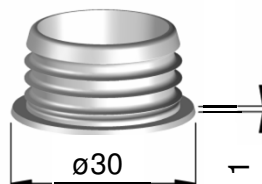


Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca øA	L1	Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca øA	øB	L1	L2
	B32	1 1/4"WW 1"WW	60, +10, +10, ... - 500		BM32	1 1/4"WW	1 1/4"WW	60, +10, +10,	40

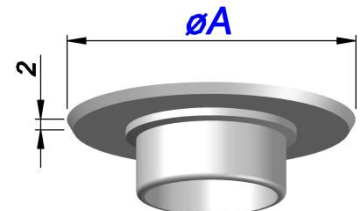
Typ SR



Typ EA



Typ EG



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca øA	Bodenstärke plate thickness Epaisseur du plancher Espesor placa *	Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Bestellung Ordering Commande Encargo	Typ Type Type Tipa	øA
	SR	1 1/4"WW 1"WW G1" G3/4" M24	= mm		EA		EG50	54
							EG70	71

**Buchsen
für Rohre**

**Special lateral
sleeves**

**douilles pour tuyaux
et planchers béton**

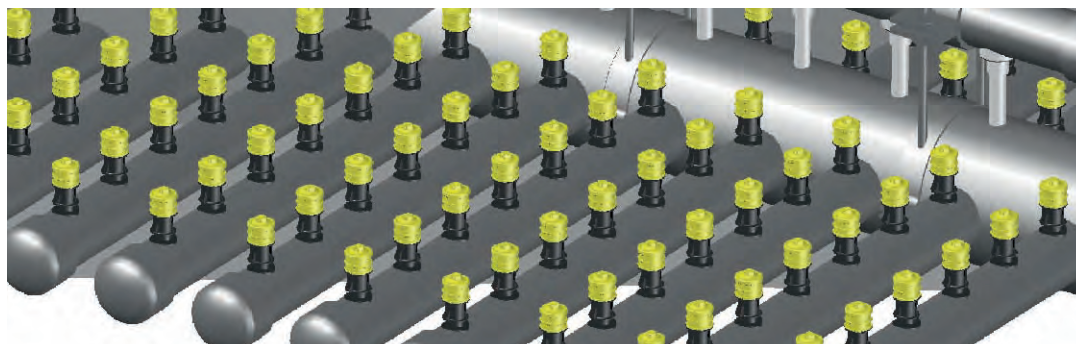
**Casquillos
para tubería**

Montagebeispiel

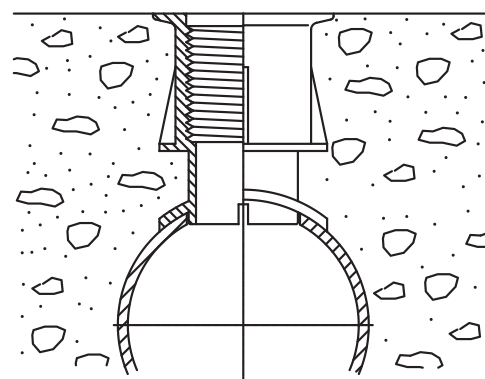
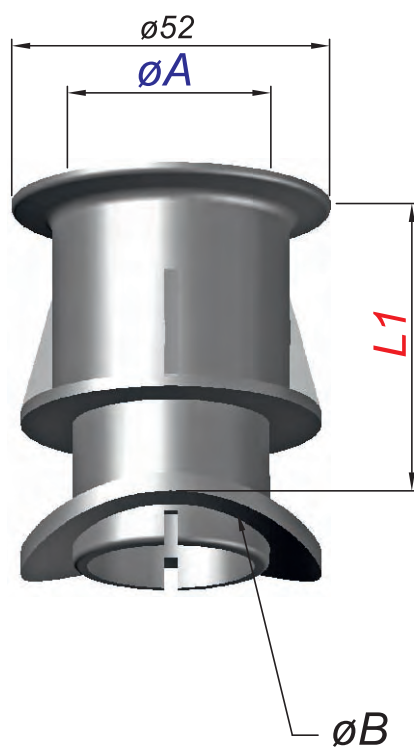
Installation
procedure

Exemple
de montage

Ejemplo
de montaje



Typ BR32



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	L1	$\varnothing B$	Gewinde Thread Filetage Rosca $\varnothing A$	
	BR32	15	90; 110	1 1/4"WW	
		50	75; 90; 110; 324		

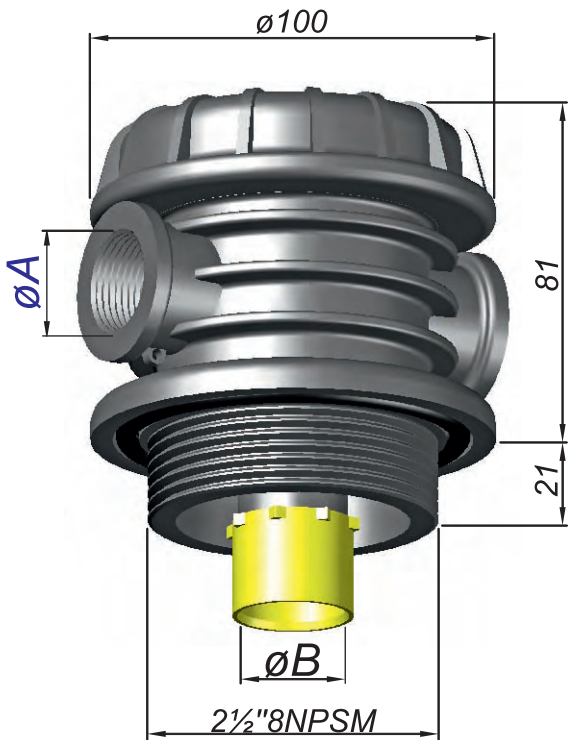
Anschluß- armatur	Manifold head	Raccord pour bouteilles échangeuses d'ions	Racor Adaptador para Botellas de intercambio Ionico
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Typ ANA2



P max. 8 bar – 120 PSI
T max. 45°C – 110° F

Typ ANA2



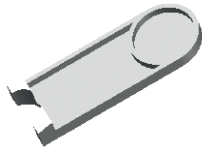
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	$\varnothing A$	$\varnothing B = \text{mm}$	
	ANA2	1/4"NPT	1"	Ø 25,4
		G 3/4"	13/16	Ø 20,64
		3/4"NPT	1,05"	Ø 26,67
			25	Ø 25,2

Typ ANA-S



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	
	ANA-S	

Typ ANA-K



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	
	ANA-K	

Anschluß- armatur	Manifold head	Raccord pour bouteilles échangeuses d'ions	Racor Adaptador para Botellas de intercambio Ionico
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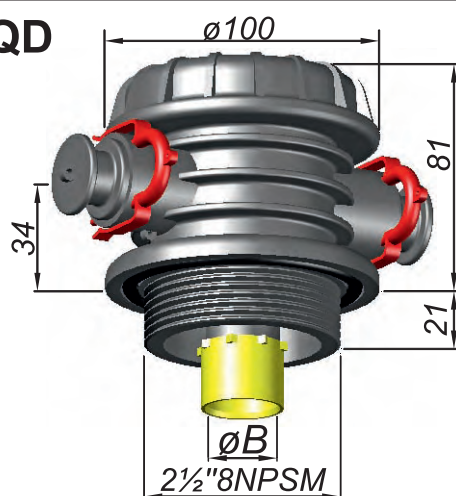
Typ ANA2-QD



P max. 8 bar – 120 PSI

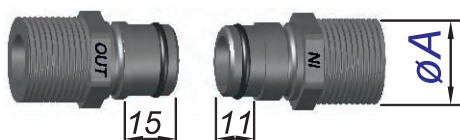
T max. 45°C – 110° F

Typ ANA2-QD



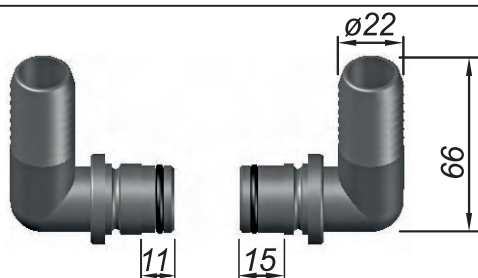
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	ØB = mm	
	ANA2-QD	1"	Ø 25,4
		13/16	Ø 20,64
		1,05"	Ø 26,67
		25	Ø 25,2

Typ QD-G3/4"



Bestellung Ordering Commande Encargo	Typ Type Type Tipa
	QD-G3/4"

Typ QDHE



Bestellung Ordering Commande Encargo	Typ Type Type Tipa
	QDHE

Typ ANA-S



Bestellung Ordering Commande Encargo	Typ Type Type Tipa
	ANA-S

Typ ANA-K



Bestellung Ordering Commande Encargo	Typ Type Type Tipa
	ANA-K

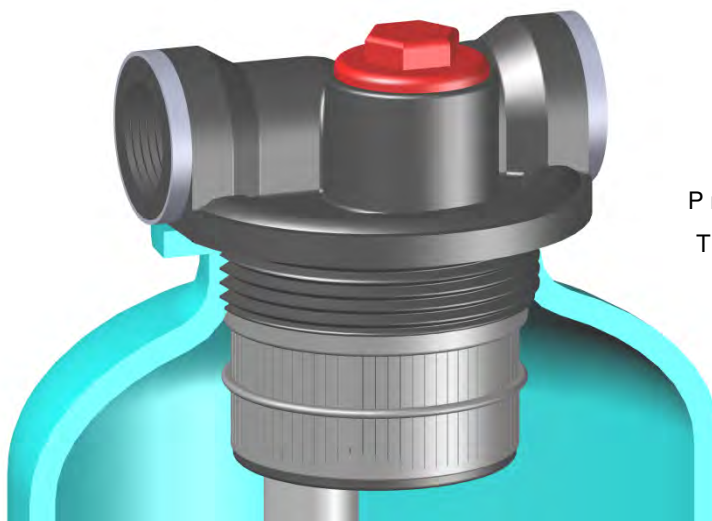
Anschluß-
armatur

Manifold
head

Raccord pour
bouteilles
échangeuses d'ions

Racor Adaptador
para Botellas de
intercambio Ionico

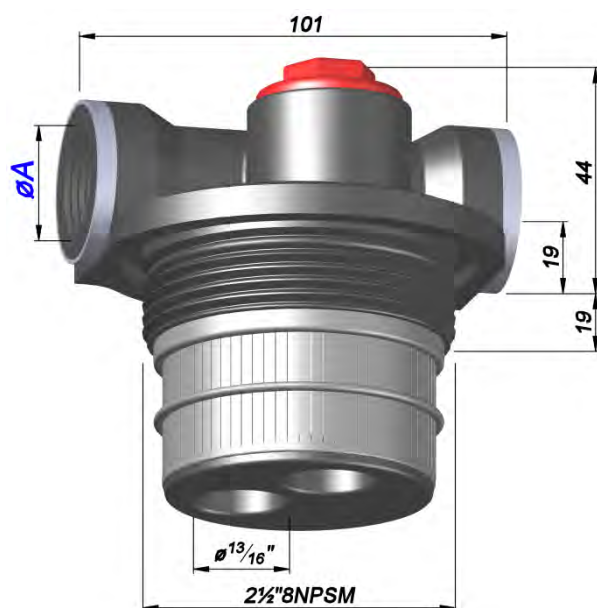
Typ ANA3



P max. 8 bar – 120 PSI

T max. 45°C – 110°F

Typ ANA3



Typ RA-L



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	ØA	Schlitz Slots Fentes Ranuras
	ANA3	G 3/4" 3/4"NPT	0,2 0,3 0,5

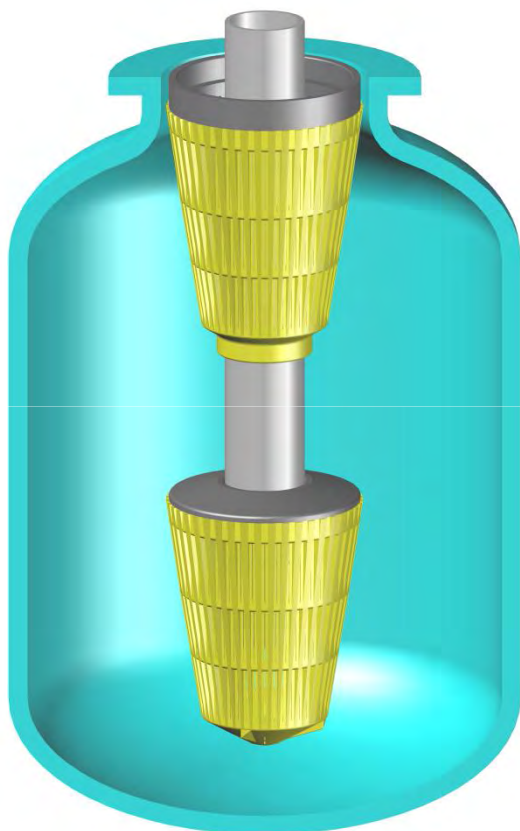
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	ØB	= mm
	RA-L	25	Ø 25,2

**Filterdüsen-
für Düsenstab**

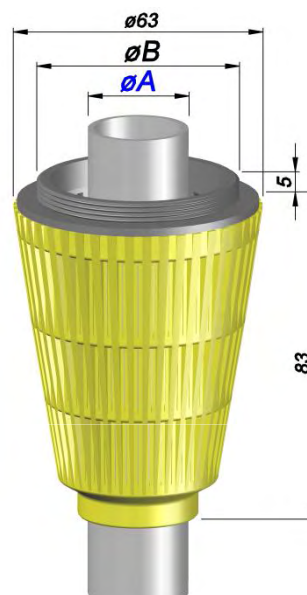
**Filter-Nozzles
for Distributor**

**Crépines pour
distributeur**

**Toberas
de distribucion**

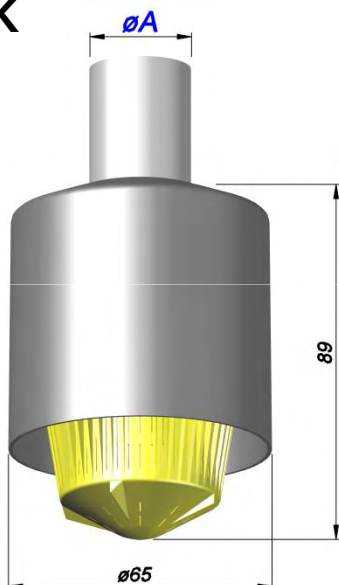


Typ GDO



Bestellung Ordering Commande Encargo	Type Type Type Tipa	Schlitze Slots Fentes Ranuras	ØB	ØA	=mm
	GDO	0,2 = 5,22cm ²	2"20UN	32	Ø 32
			Ø 60,5	13/16	Ø 20,64
			Ø 60	1"	Ø 25,4
			QD	1,05"	Ø 26,67
				25	Ø 25,2

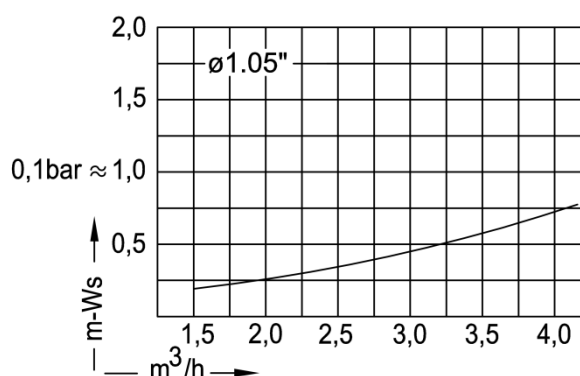
Typ GDUK



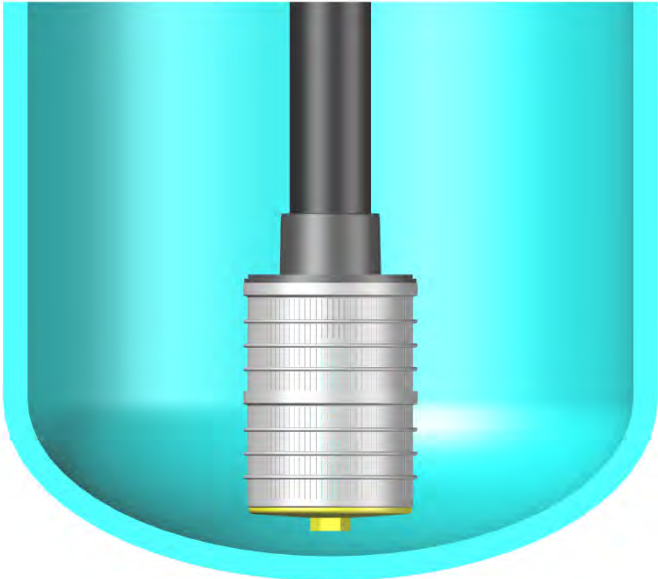
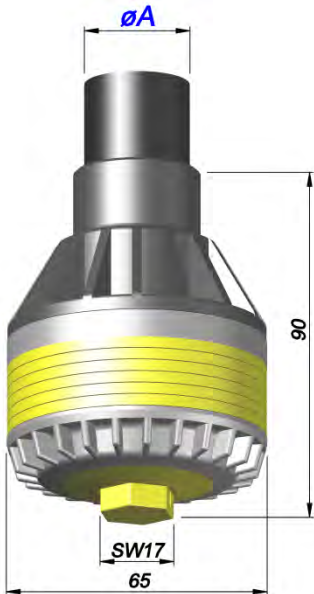
Typ GDU



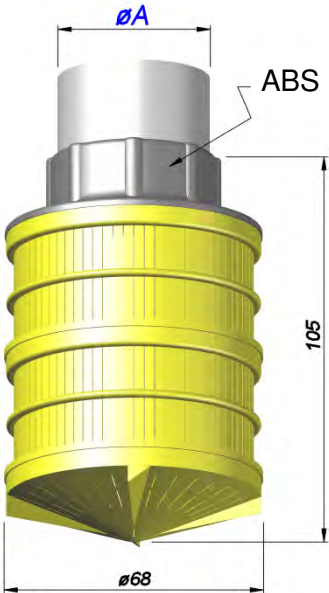
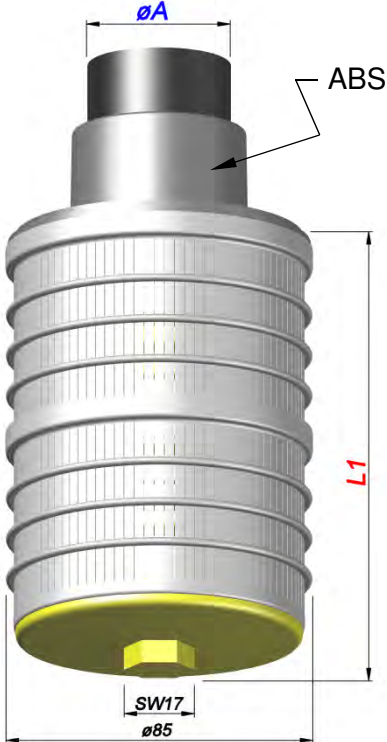
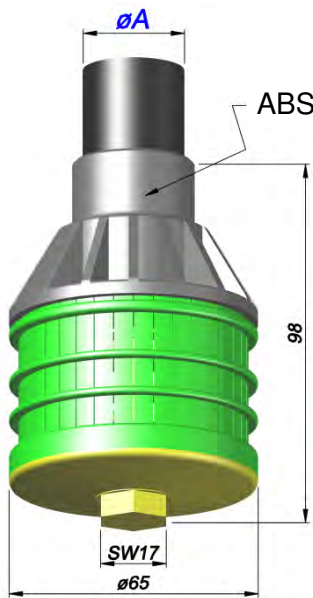
Bestellung Ordering Commande Encargo	Type Type Type Tipa	Schlitze Slots Fentes Ranuras	ØA	=mm
	GDU GDUK	0,2 = 5,22cm ²	1"	Ø 25,4
			13/16	Ø 20,64
			1,05"	Ø 26,67
			25	Ø 25,2
			1/2"	Ø 21,4



Filterdüsen- für Düsenstab	Filter-Nozzles for Distributor	Crépines pour distributeur	Toberas de distribucion
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Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	$\varnothing A$
	GLU	0,2	3/4"NPT $\varnothing$ 24,4
		0,3	
		0,5	

Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	$\varnothing A$
	GWU	0,2 = 6,91 cm ²	$\varnothing 32$ $\varnothing 40$
		0,3 = 11,03 cm ²	
		0,5 = 17,94 cm ²	

Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	$\varnothing A$	Länge Length Longueur Largura
	GRU	0,2	$\varnothing$ 40 $\varnothing$ 50 $\varnothing$ 63	73 ; 126
		0,5		

Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	$\varnothing A$
	GCU	0,2	3/4"NPT $\varnothing$ 24,4
		0,3	
		0,5	

Entleerungs- Entnahme-Filterdüsen	Drain- Nozzles	Crépines de drainage	Toberas de drenaje
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Montagebeispiel

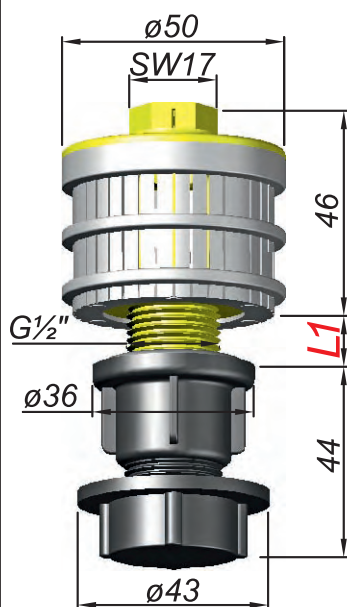
Installation
procedure

Exemple
de montage

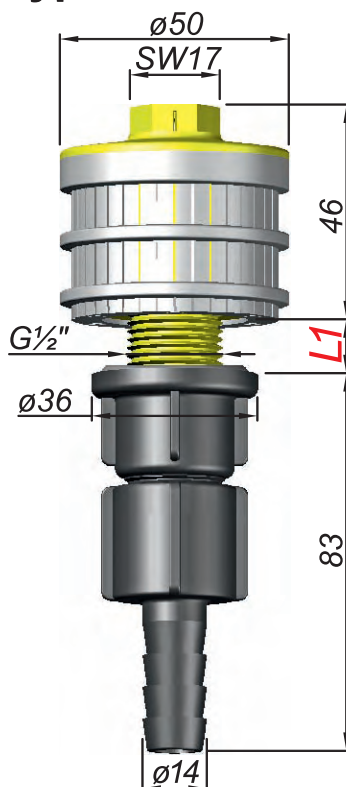
Ejemplo
de montaje



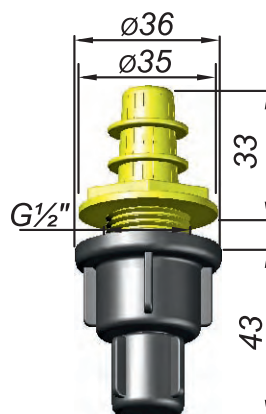
Typ EDK



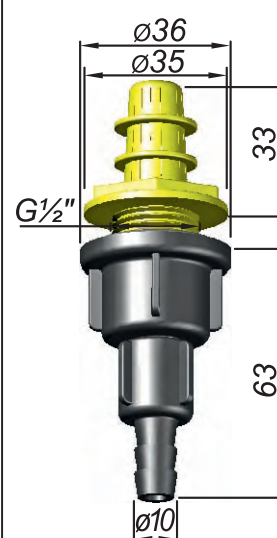
Typ ED



Typ EHK



Typ EH



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	Bodenstärke Plate thickness Epaisseur du plancher Espesor placa	Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Bestellung Ordering Commande Encargo	Typ Type Type Tipa
	ED EDK	36 x 0,2 = 1,37 cm ² 36 x 0,5 = 3,42 cm ²	Nach Angabe according detail selon détails adecuado detalle		EHK -0,2		EH -0,2

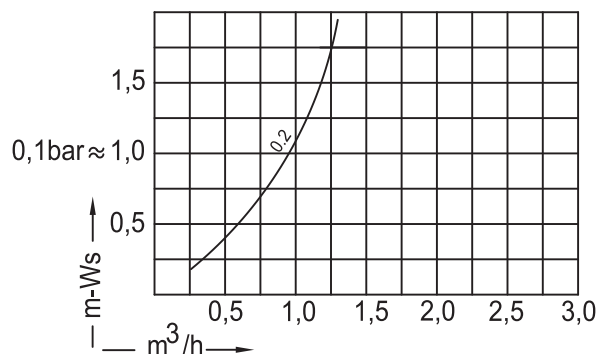
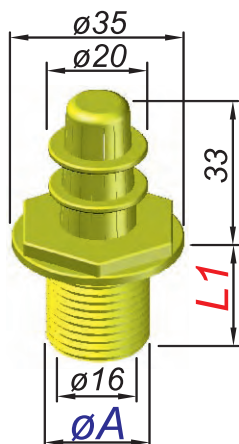
Entleerungs- Entnahme-Filterdüsen

Drain- Nozzles

Crépines de drainage

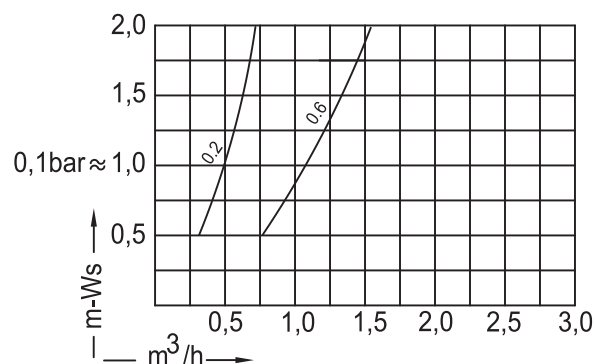
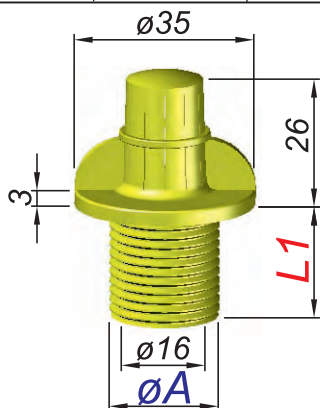
Toberas de drenaje

Typ E



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	Gewindelänge Thread length Longueur de filetage Largura de la rosca
	E	0,2 = 1,0cm²	øA G 1/2"	L1 8
			G 3/4"	17

Typ E2



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	Gewindelänge Thread length Longueur de filetage Largura de la rosca
	E2	0,2 = 0,28cm²	øA G 1/2"	L1 22
		0,6 = 0,84cm²	7/8"WW	16

Typ ES10



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	øA
	ES10	0,2	6
			8
			10

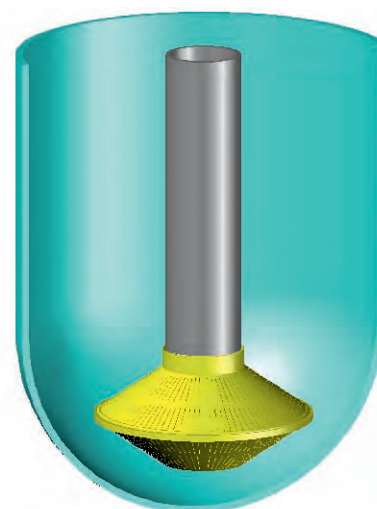
Verteiler	distributor	Distributeur	Distribuidor
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Montagebeispiel

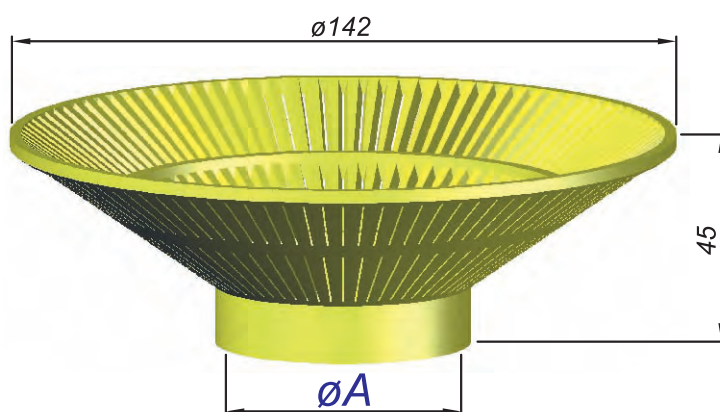
Installation
procedure

Exemple
de montage

Ejemplo
de montaje

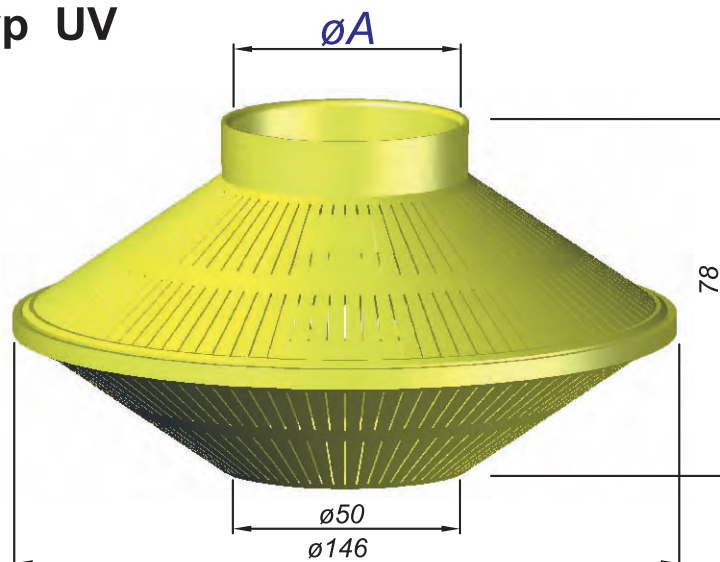


Typ OV



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	øA
	OV	0,25	ø1,9" ø50

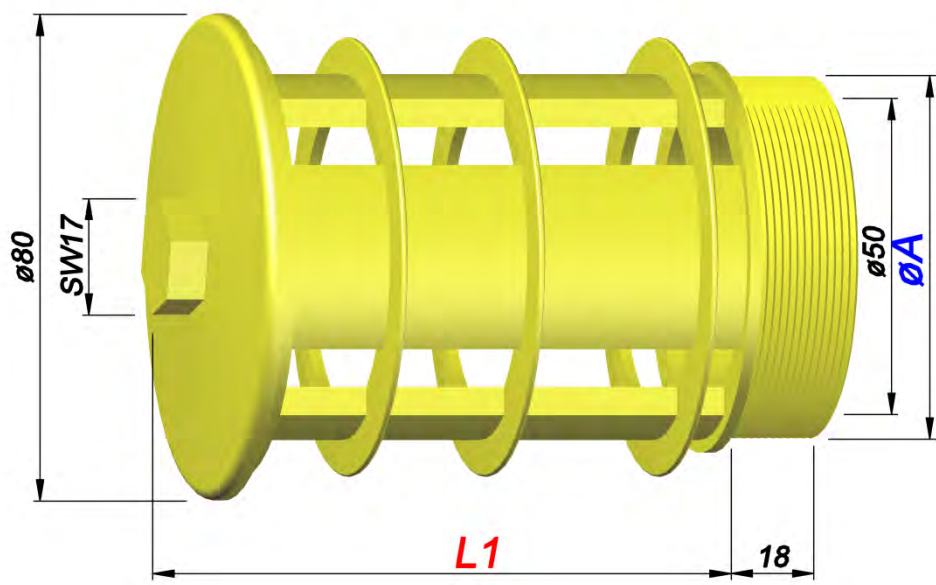
Typ UV



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	øA
	UV	0,25 = 17,96 cm ²	ø1,9" ø50

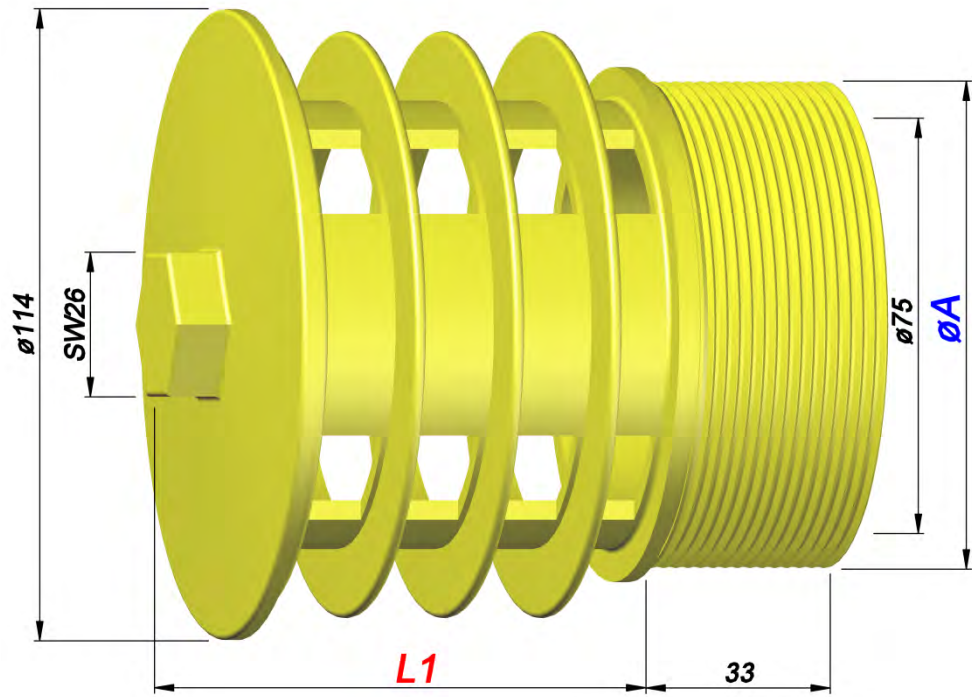
Obere Verteiler	Top distributor	Distributeur supérieur	Distribuidor superior
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R2P



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca øA	Gewindelänge Thread length Longueur de filetage Largura de la rosca L1
	R2P	G 2"	42, 95, 155

R3P



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca øA	Länge Length Longueur Largura L1
	R3P	G 3" 3" NPT 4" 8UN	96, 168, 240

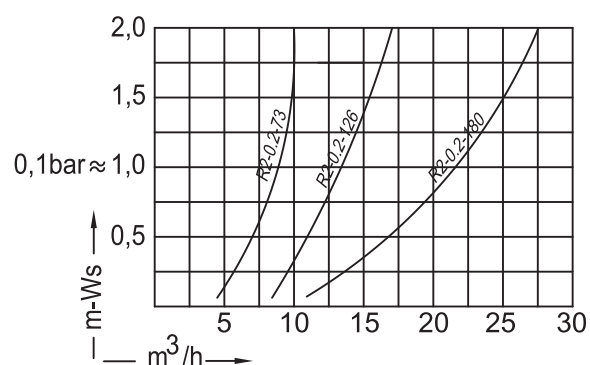
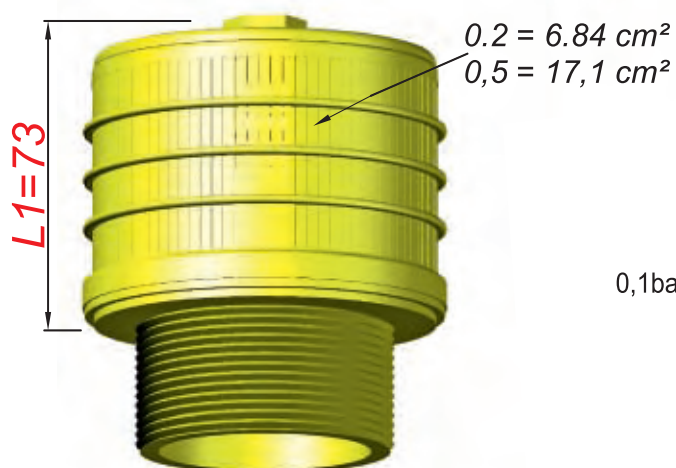
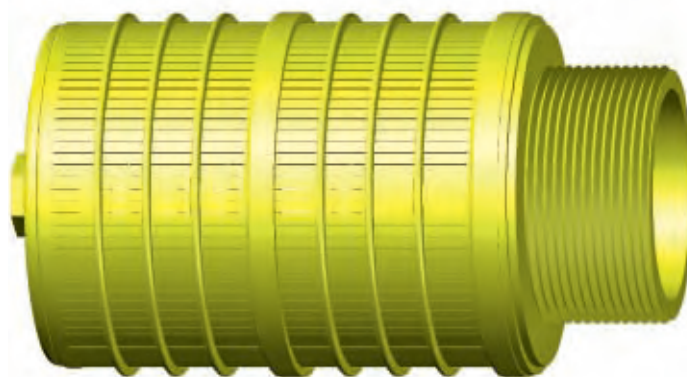
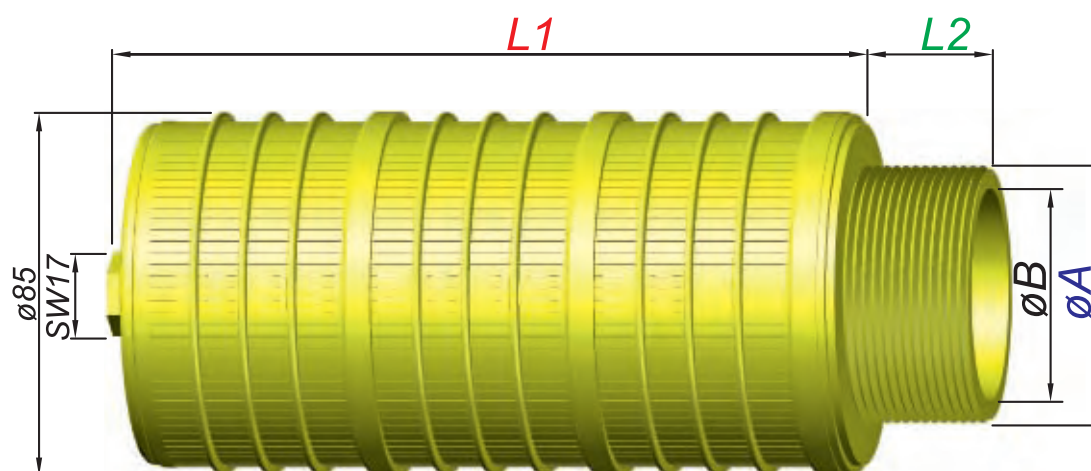
Filterdüsen

Filter-Nozzles

Crépines à filtre

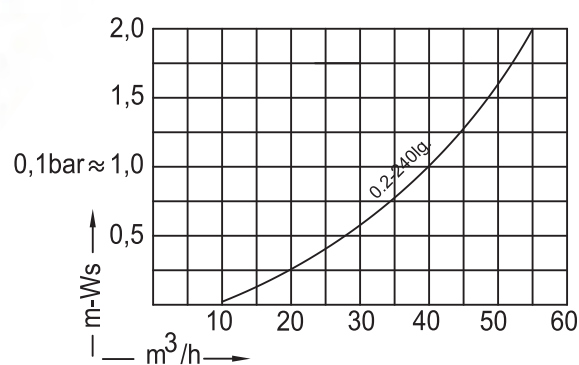
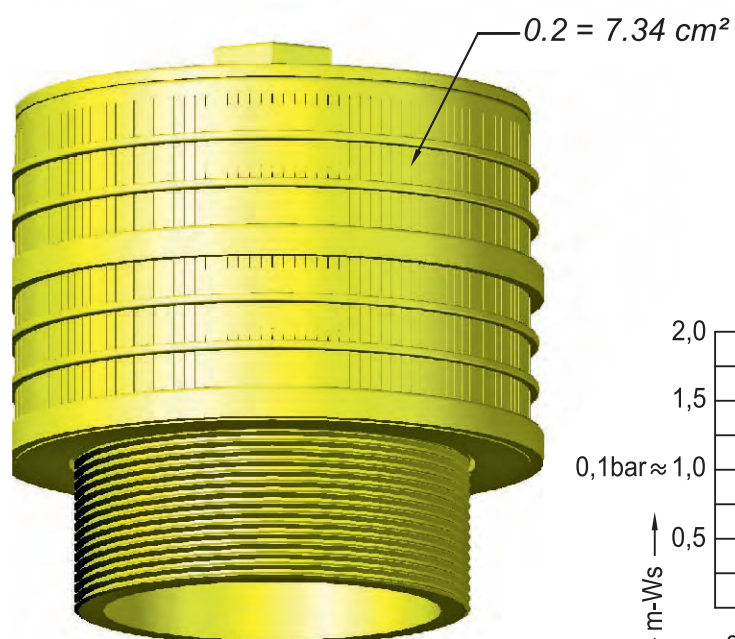
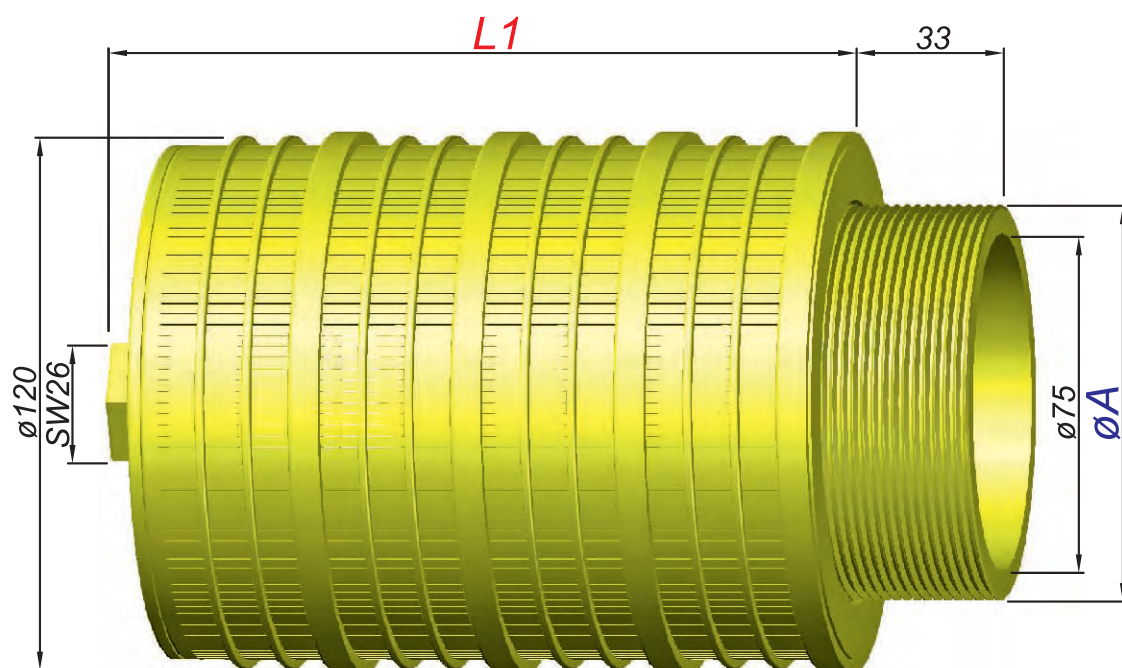
Toberas filtrantes

Typ R2



Bestellung Ordering Commande Encargo	Type Type Tipa	Schlitze Slots Fentes Ranuras	øA	øB	L2	Kopflänge Headlength Longueur de tête Longitude de la cabeza	L1
	R2	0,2	G 2"	ø 50	30, 55	73, 126, 180, 231, 284, 338, 389, 442, 496, 547, 600, 654, 705, 758, 812, 863, 916, 970, 1021,1074,1128,1179,1232,1286	
		0,3	G 1½"	ø 38	30, 55		
		0,5	G 2"	1 1/4"NPT	30		
		1,0	G 2"	1 1/2"NPT	30		
			ø 68	G 2"	30		
			1 1/2"NPT	1 1/4"NPT	30		
			2 ½" 8NPSM	ø60	20		

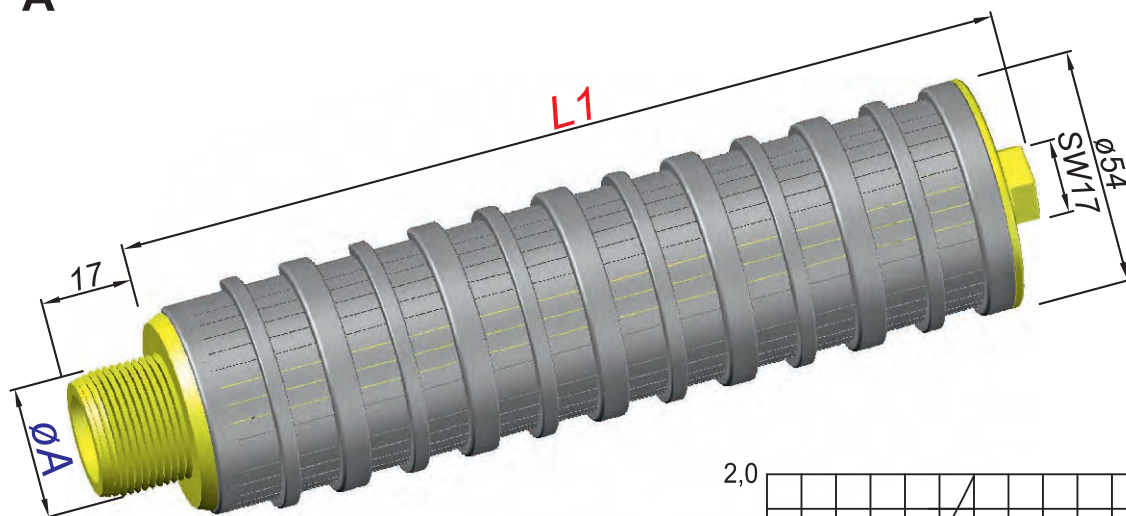
Typ R3



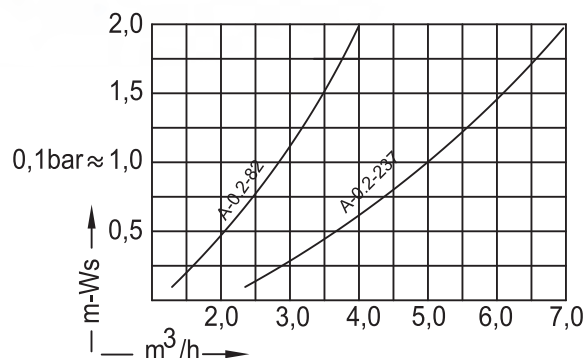
Bestellung Ordering Commande Encargo	Type Type Type Tipa	Schlitz Slots Fentes Ranuras	ØA	Kopflänge Headlength Longueur de tête Longitud de la cabeza	L1
	R3	0,2 0,5	G 3" 3"NPT 4" 8UN	168, 240, 312, 384, 456, 528, 600, 672, 744, 816, 888, 960, 1032, 1104, 1176, 1248, 1320 ...	

Filterdüsen- Arme	Filter-Nozzles Arms	Crépines bras	Brazos de toberas a filtro
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Typ A



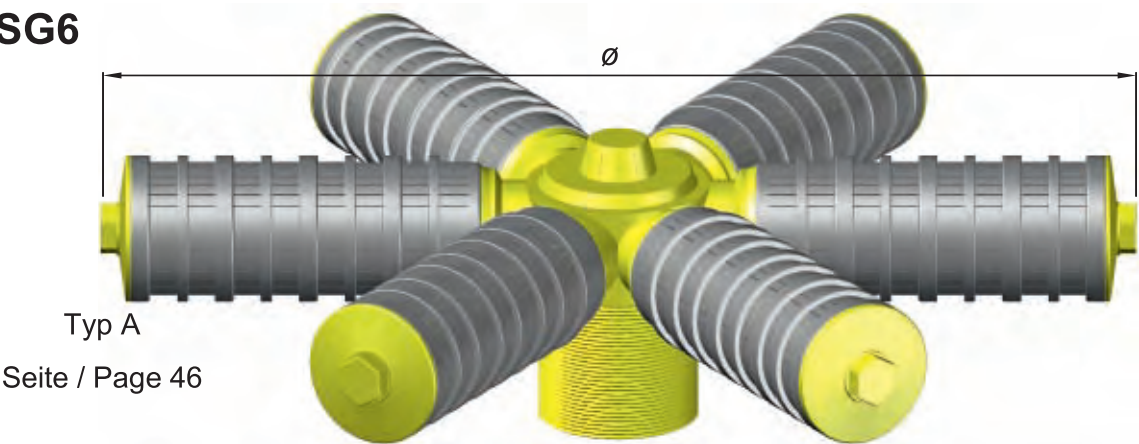
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	ØA
	A	0,2 0,5 1,0 2,0	M30x2 3/4"NPT G 3/4" G 1"	



A	SG6	SK6	SO6	SO8	SK8	SK6F	SK8F
Länge Length Longueur Largura	L1 Ø = mm						
82	259	258	258				
113	321	316	316				
144	383	374	374				
175	445	432	432				
206	507	491	491	520	520	491	520
237	569	549	549	580	580	549	580
268	631	607	607	640	640	607	640
299	693	665	665	699	699	665	699
330	755	724	724	759	759	724	759
361	817	782	782	819	819	782	819
392	879	840	840	879	879	840	879
423	941	898	898	939	939	898	939
454	1003	957	957	999	999	957	999
485	1065	1015	1015	1059	1059	1015	1059
516	1127	1073	1073	1119	1119	1073	1119
547	1189	1131	1131	1179	1179	1131	1179
578	1251	1189	1189	1239	1239	1189	1239
609	1313	1247	1247	1299	1299	1247	1299
640				1359	1359	1305	1359
671				1419	1419	1363	1419
702				1479	1479	1421	1479
733				1539	1539	1479	1539
764				1599	1599	1537	1599
795				1659	1659	1595	1659

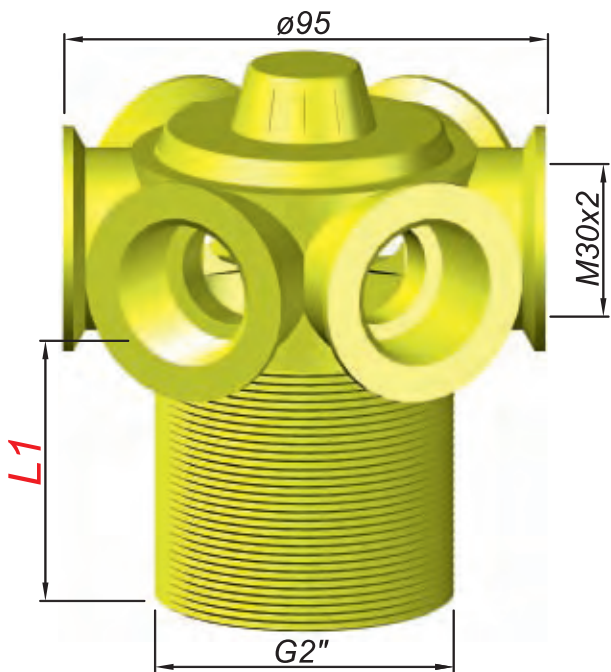
Filterdüsen-Sterne mit 6 Armen	Filter-Nozzles-Stars with 6 arms	Crépines étoiles à 6 bras	Estrellas para toberas a filtro con 6 brazos
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Typ SG6



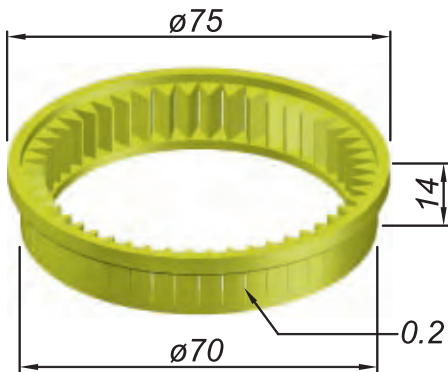
Typ A
Seite / Page 46

Typ MSG6

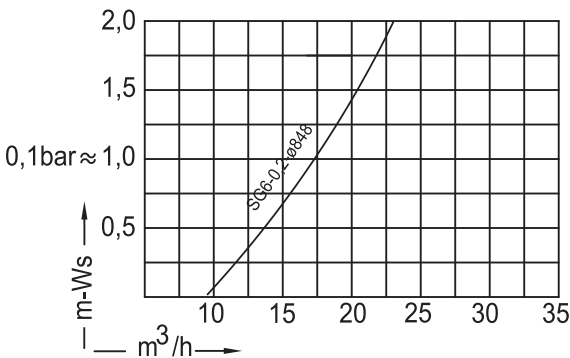


Bestellung Ordering Commande Encargo	Typ Type Type Tipa	L1
	MSG6	25 55

Typ ER



Bestellung Ordering Commande Encargo	Typ Type Type Tipa
	ER



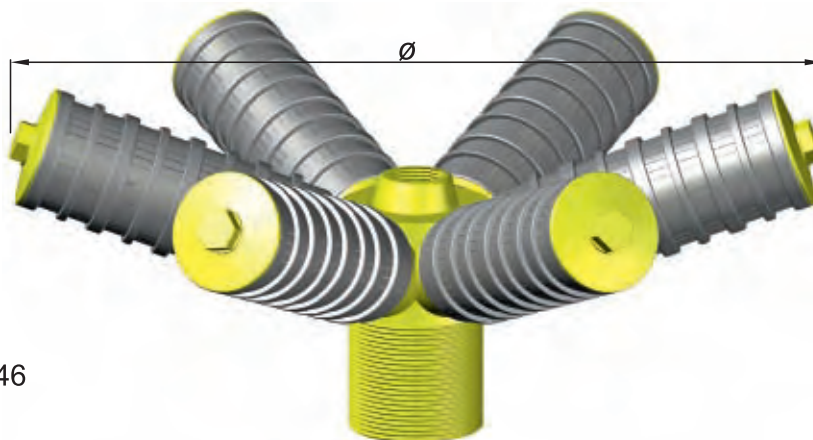
**Filterdüsen-Sterne
mit 6 Armen**

**Filter-Nozzles-Stars
with 6 arms**

**Crépines
étoiles
à 6 bras**

**Estrellas para
toberas a filtro
con 6 brazos**

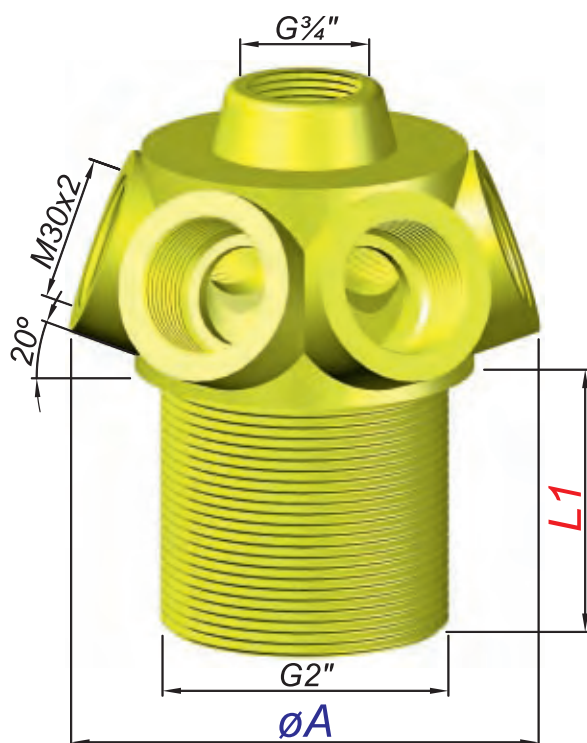
Typ SK6



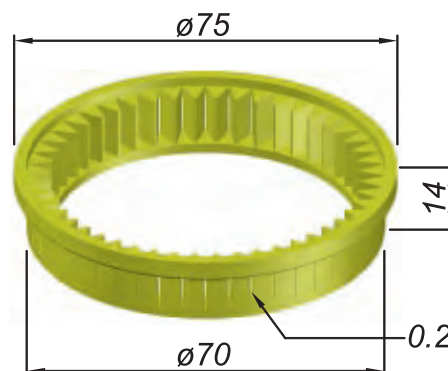
Typ A

Seite / Page 46

Typ MSK6

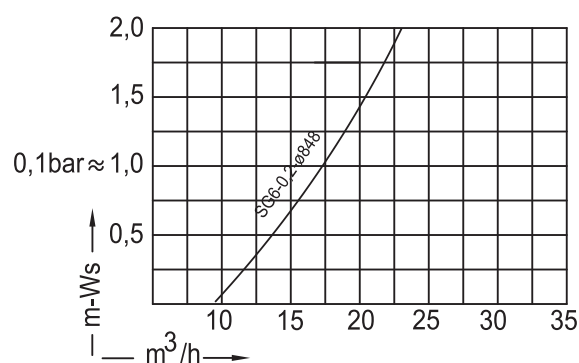


Typ ER



Bestellung Ordering Commande Encargo	Typ Type Type Tipa
	ER

Bestellung Ordering Commande Encargo	Typ Type Type Tipa	L1	øA
	MSK6	55	98 110



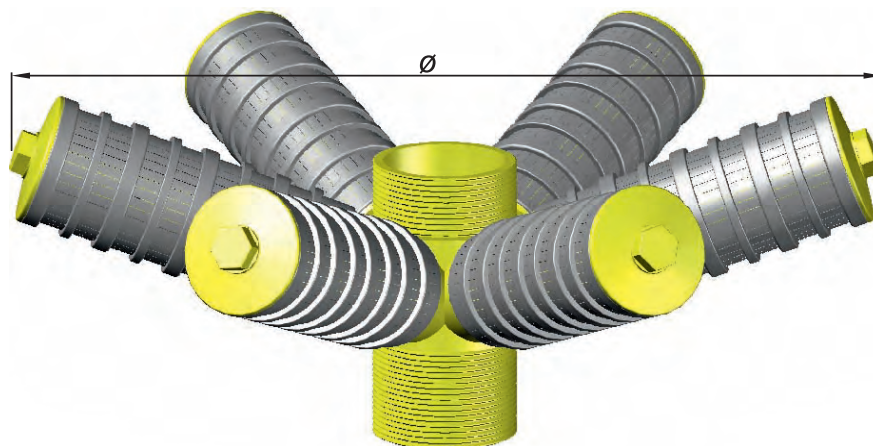
**Filterdüsen-Sterne
mit 6 Armen**

**Filter-Nozzles-Stars
with 6 arms**

**Crépines
étoiles
à 6 bras**

**Estrellas para
toberas a filtro
con 6 brazos**

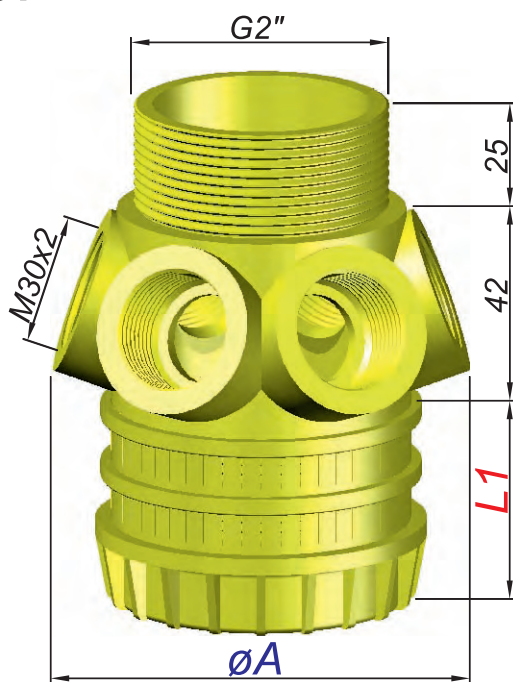
Typ SO6



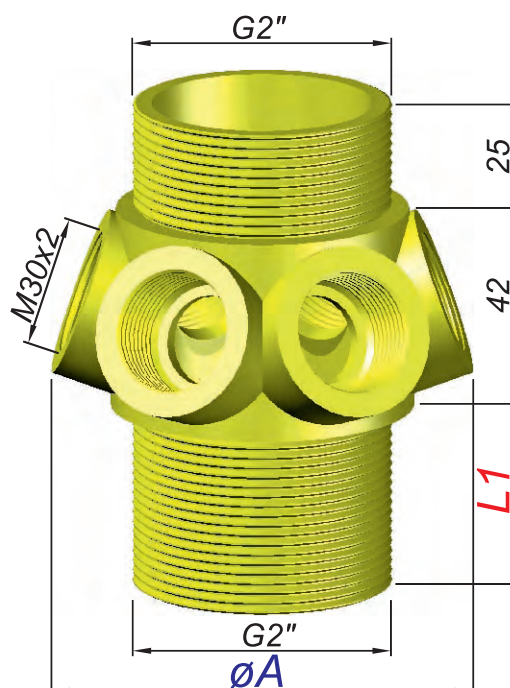
Typ A

Seite / Page 46

Typ MSO6

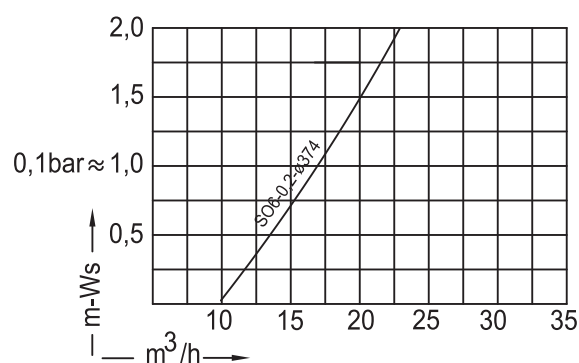


Typ MSO60



Bestellung Ordering Commande Encargo	Type Type Type Tipa	L1	ØA
	MSO60	25	98
		50	110

Bestellung Ordering Commande Encargo	Type Type Type Tipa	L1	ØA
	MSO6	20	98 110
	MSO61	34	
	MSO62	46	
	MSO63	58	



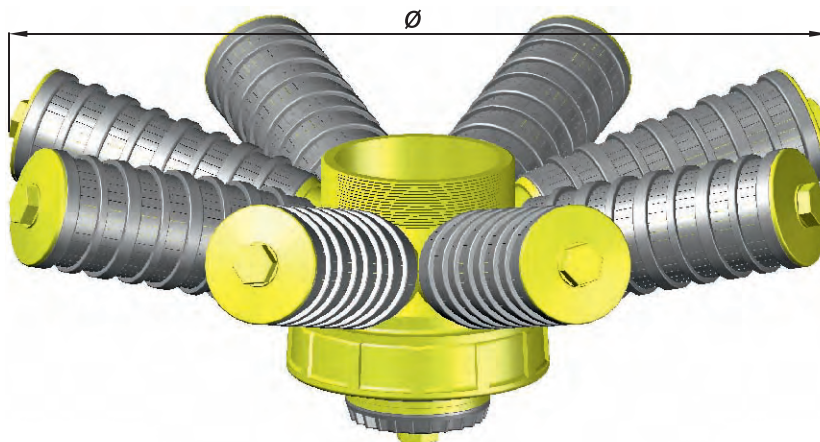
**Filterdüsen-Sterne
mit 8 Armen**

**Filter-Nozzles-Stars
with 8 arms**

**Crépines
étoiles
à 8 bras**

**Estrellas para
toberas a filtro
con 8 brazos**

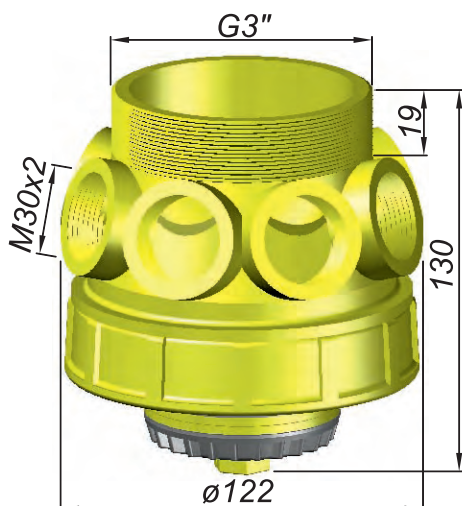
Typ SO8



Typ A

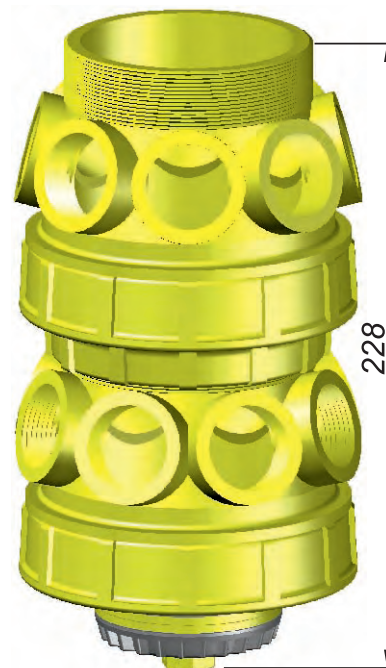
Seite / Page 46

Typ MSO8



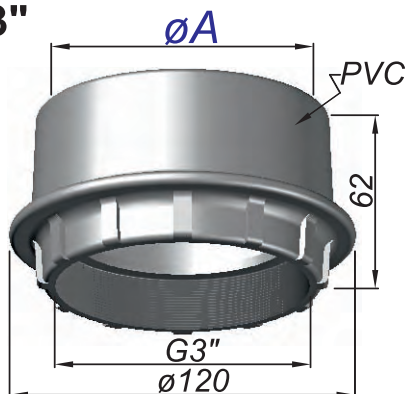
Bestellung Ordering Commande Encargo	Typ Type Type Tipa
	MSO8

Typ MSO16

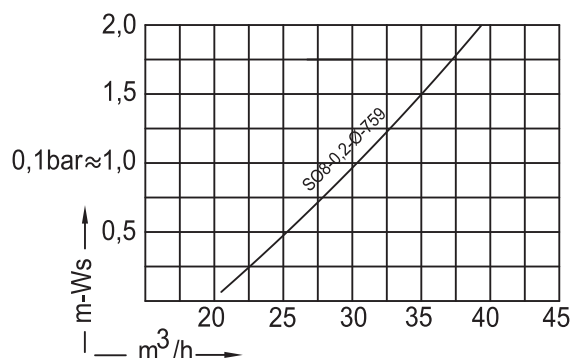


Bestellung Ordering Commande Encargo	Typ Type Type Tipa
	MSO16

Typ GR3"

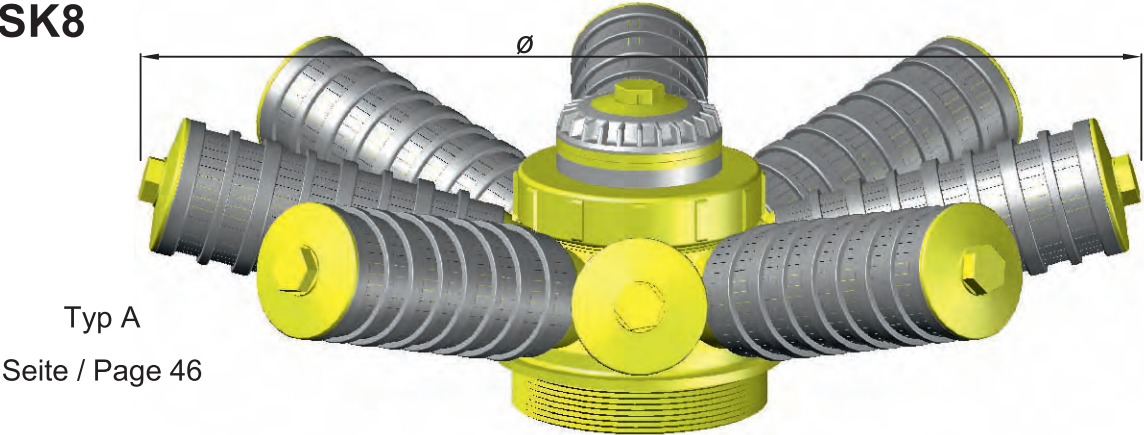


Bestellung Ordering Commande Encargo	Typ Type Type Tipa	ØA
	GR3"	90



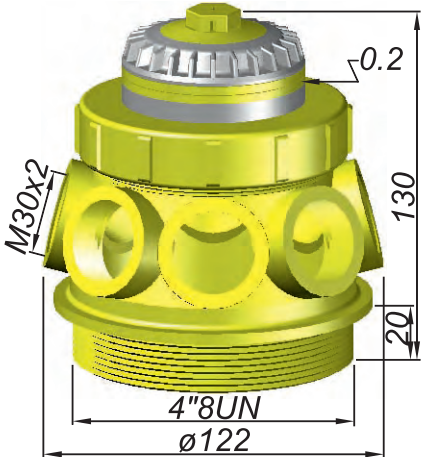
Filterdüsen-Sterne mit 8 Armen	Filter-Nozzles-Stars with 8 arms	Crépines étoiles à 8 bras	Estrellas para toberas a filtro con 8 brazos
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Typ SK8



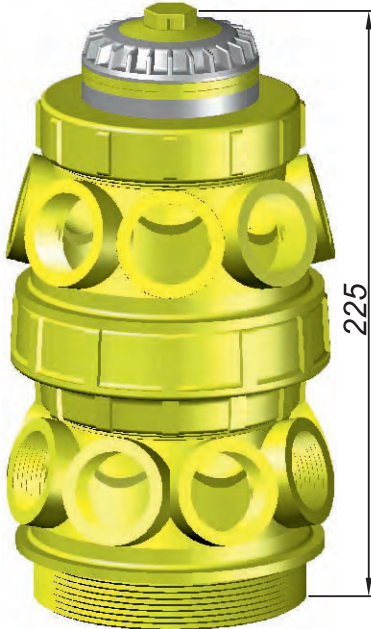
Typ A
Seite / Page 46

Typ MSK8

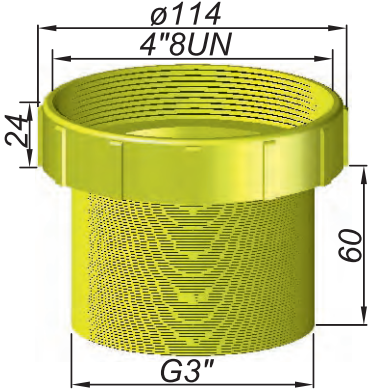


Bestellung Ordering Commande Encargo	Typ Type Type Tipa
	MSK8

Typ MSK16

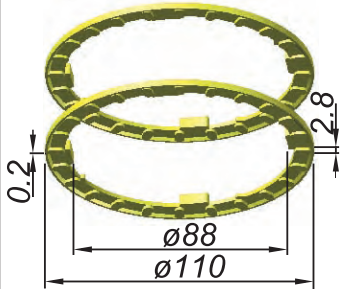


Typ GR4"-3"



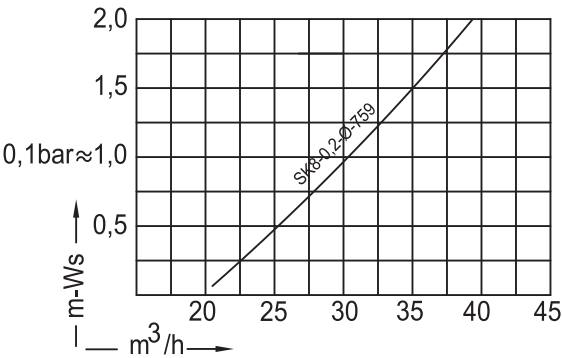
Bestellung Ordering Commande Encargo	Typ Type Type Tipa
	GR4"-3"

Typ ER3



Bestellung Ordering Commande Encargo	Typ Type Type Tipa
	ER3

Bestellung Ordering Commande Encargo	Typ Type Type Tipa
	MSK16



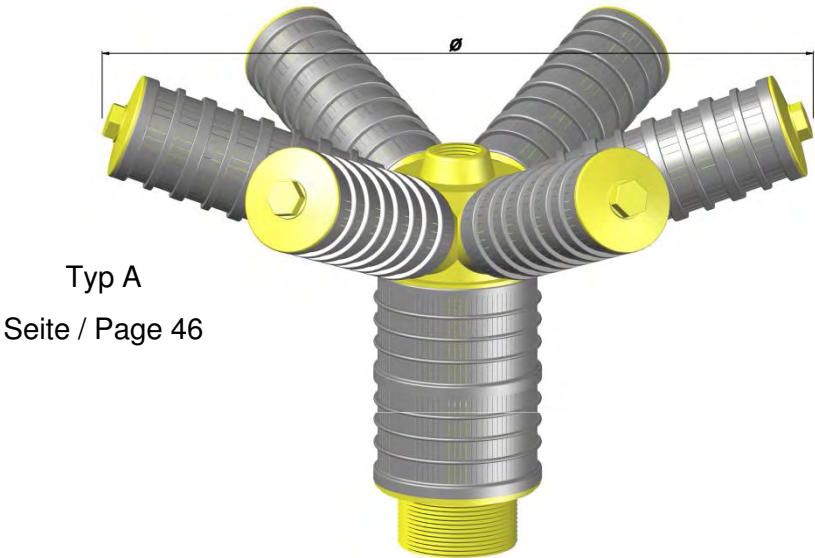
Filterdüsen-Sterne
mit 6 Armen
für Flanschtank

Filter-Nozzles-Stars
with 6 arms
for Flange tank

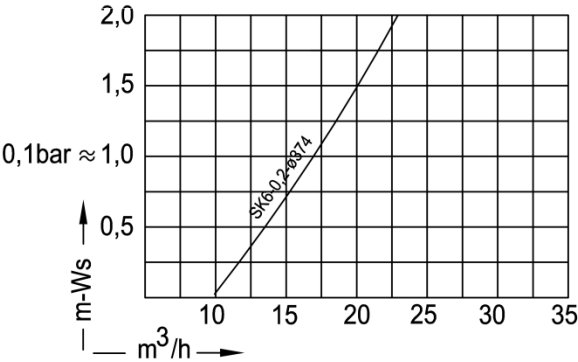
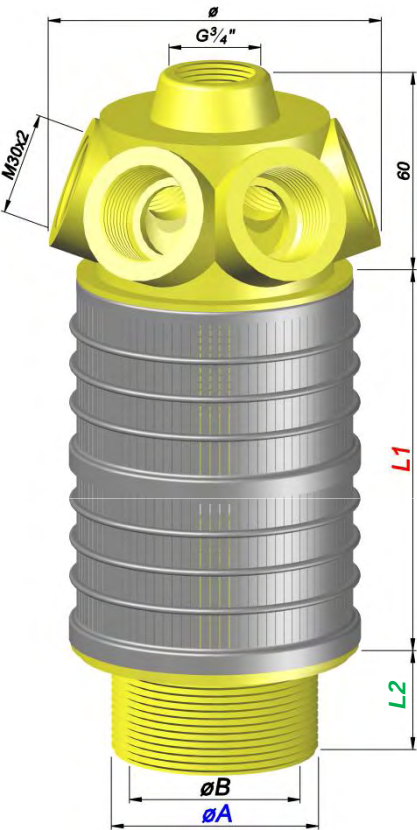
Crépines étoiles
à 6 bras

Estrellas para
toberas a filtro
con 6 brazos

Typ SK6F



Typ MSK6F



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	Ø	ØA	ØB	L2	L1	
	MSK6F	0,2 0,5	98 110	G 2"	Ø 50	33	64, 116, 170	
				G 2"	1 1/4"NPT			
				G 2"	1 1/2"NPT			
				Ø 68	G 2"	20		
				2 1/2" 8NPSM	Ø60			

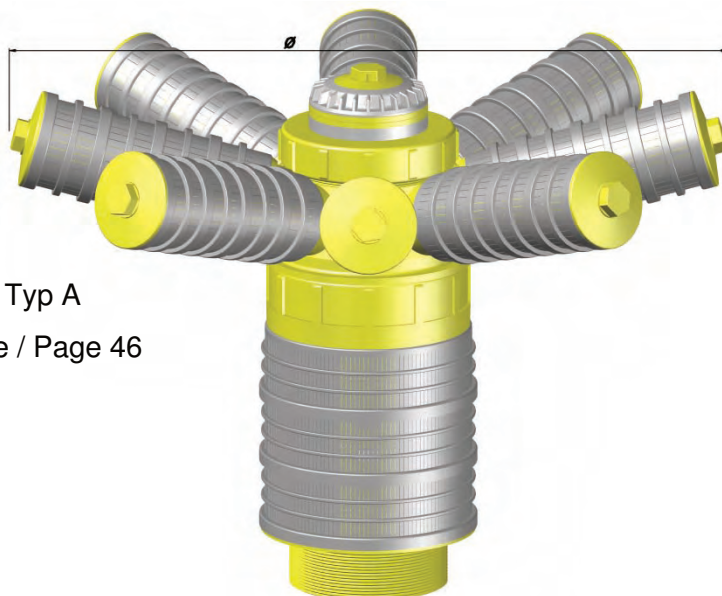
**Filterdüsen-Sterne
mit 8 Armen
für Flanschtank**

**Filter-Nozzles-Stars
with 8 arms
for Flange tank**

**Crépines étoiles
à 8 bras**

**Estrellas para
toberas a filtro
con 8 brazos**

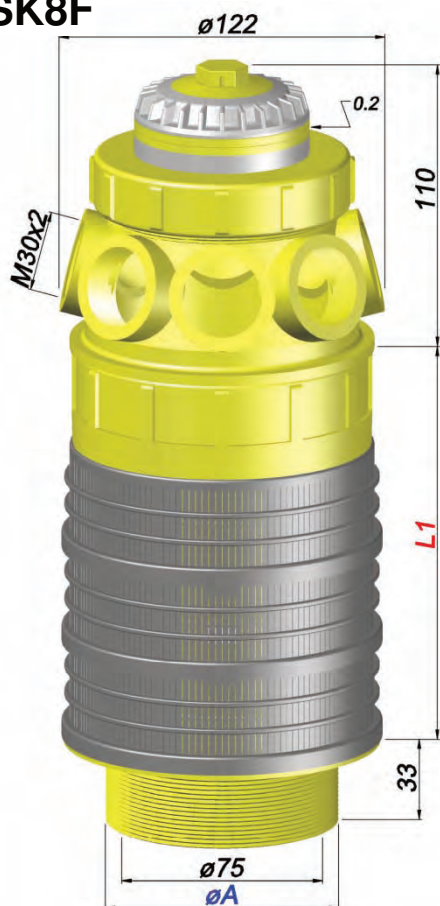
Typ SK8F



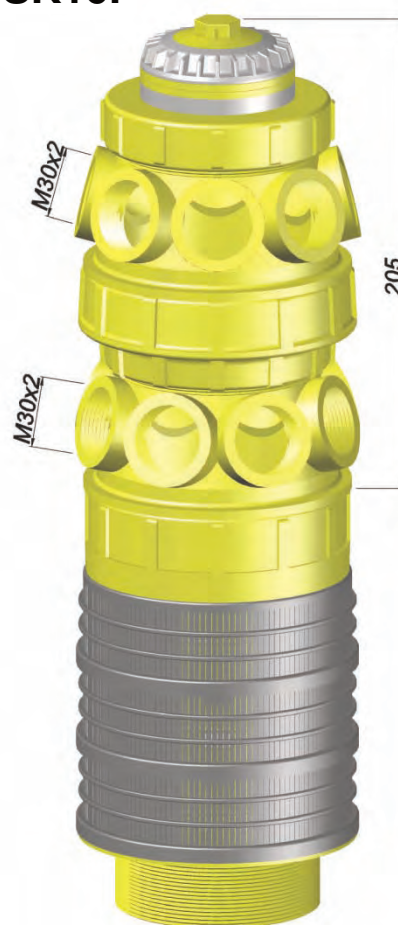
Typ A

Seite / Page 46

Typ MSK8F

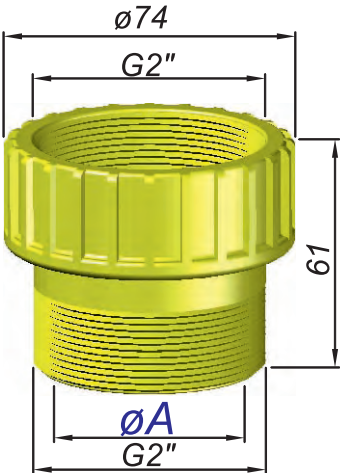
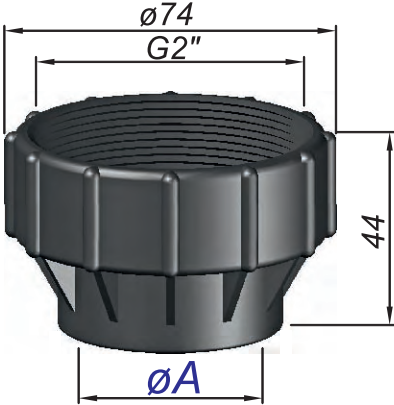
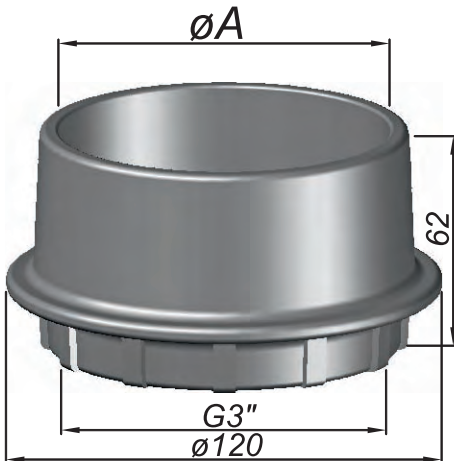


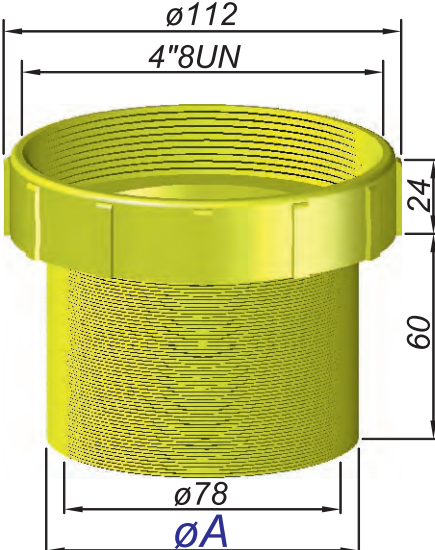
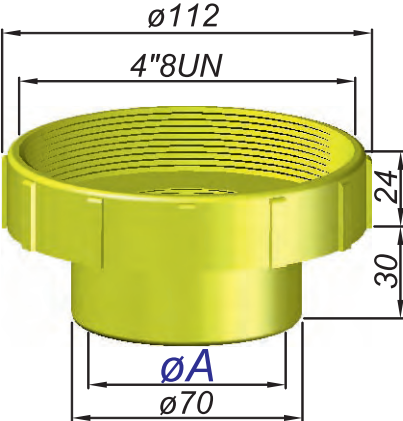
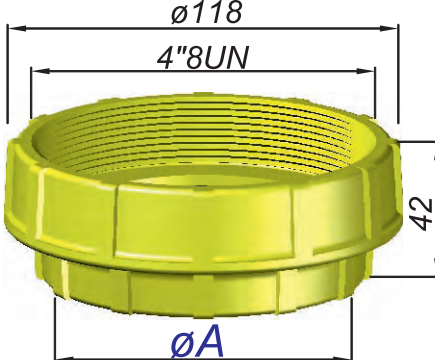
Typ MSK16F



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	ØA	Länge Length Longueur Largura
	MSK8F	0,2	G 3" 3"NPT 4" 8UN	115, 150, 190, 228

Bestellung Ordering Commande Encargo	Typ Type Type Tipa
	MSK16F

Adapter und Verbinder	Adapter and Connector	Adaptateur et raccord	Adaptador y conector										
Typ GR2“  <table><tr><td>Bestellung Ordering Commande Encargo</td><td>Typ Type Type Tipa</td><td>Gewinde Thread Filetage Rosca</td></tr><tr><td colspan="2"></td><td>GR2“ G 1 1/2“ G 1 1/4“</td></tr></table>				Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca			GR2“ G 1 1/2“ G 1 1/4“				
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca											
		GR2“ G 1 1/2“ G 1 1/4“											
Typ GR2“  <table><tr><td>Bestellung Ordering Commande Encargo</td><td>Typ Type Type Tipa</td><td></td></tr><tr><td colspan="2"></td><td>GR2“ ø 40 ø 50 ø60,3 ø63</td></tr></table> <table><tr><td></td><td>øA</td></tr><tr><td></td><td>PVC</td></tr></table>				Bestellung Ordering Commande Encargo	Typ Type Type Tipa				GR2“ ø 40 ø 50 ø60,3 ø63		øA		PVC
Bestellung Ordering Commande Encargo	Typ Type Type Tipa												
		GR2“ ø 40 ø 50 ø60,3 ø63											
	øA												
	PVC												
Typ GR3“  <table><tr><td>Bestellung Ordering Commande Encargo</td><td>Typ Type Type Tipa</td><td></td></tr><tr><td colspan="2"></td><td>GR3“ ø 90 3" (US)</td></tr></table> <table><tr><td></td><td>øA</td></tr><tr><td></td><td>PVC</td></tr></table>				Bestellung Ordering Commande Encargo	Typ Type Type Tipa				GR3“ ø 90 3" (US)		øA		PVC
Bestellung Ordering Commande Encargo	Typ Type Type Tipa												
		GR3“ ø 90 3" (US)											
	øA												
	PVC												

Adapter und Verbinder	Adapter and Connector	Adaptateur et raccord	Adaptador y conector								
Typ GR4“ 											
<table><tr><td>Bestellung Ordering Commande Encargo</td><td>Typ Type Type Tipa</td><td>Gewinde Thread Filetage Rosca</td><td>øA</td></tr><tr><td></td><td>GR4“</td><td>G 3“</td><td></td></tr></table>		Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca	øA		GR4“	G 3“			
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca	øA								
	GR4“	G 3“									
Typ GR4“ 											
<table><tr><td>Bestellung Ordering Commande Encargo</td><td>Typ Type Type Tipa</td><td>Gewinde Thread Filetage Rosca</td><td>øA</td></tr><tr><td></td><td>GR4“</td><td>G 2“</td><td></td></tr></table>		Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca	øA		GR4“	G 2“			
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca	øA								
	GR4“	G 2“									
Typ VB4“ 											
<table><tr><td>Bestellung Ordering Commande Encargo</td><td>Typ Type Type Tipa</td><td>Gewinde Thread Filetage Rosca</td><td>øA</td></tr><tr><td></td><td>VB4“</td><td>G 3“</td><td></td></tr></table>		Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca	øA		VB4“	G 3“			
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Gewinde Thread Filetage Rosca	øA								
	VB4“	G 3“									

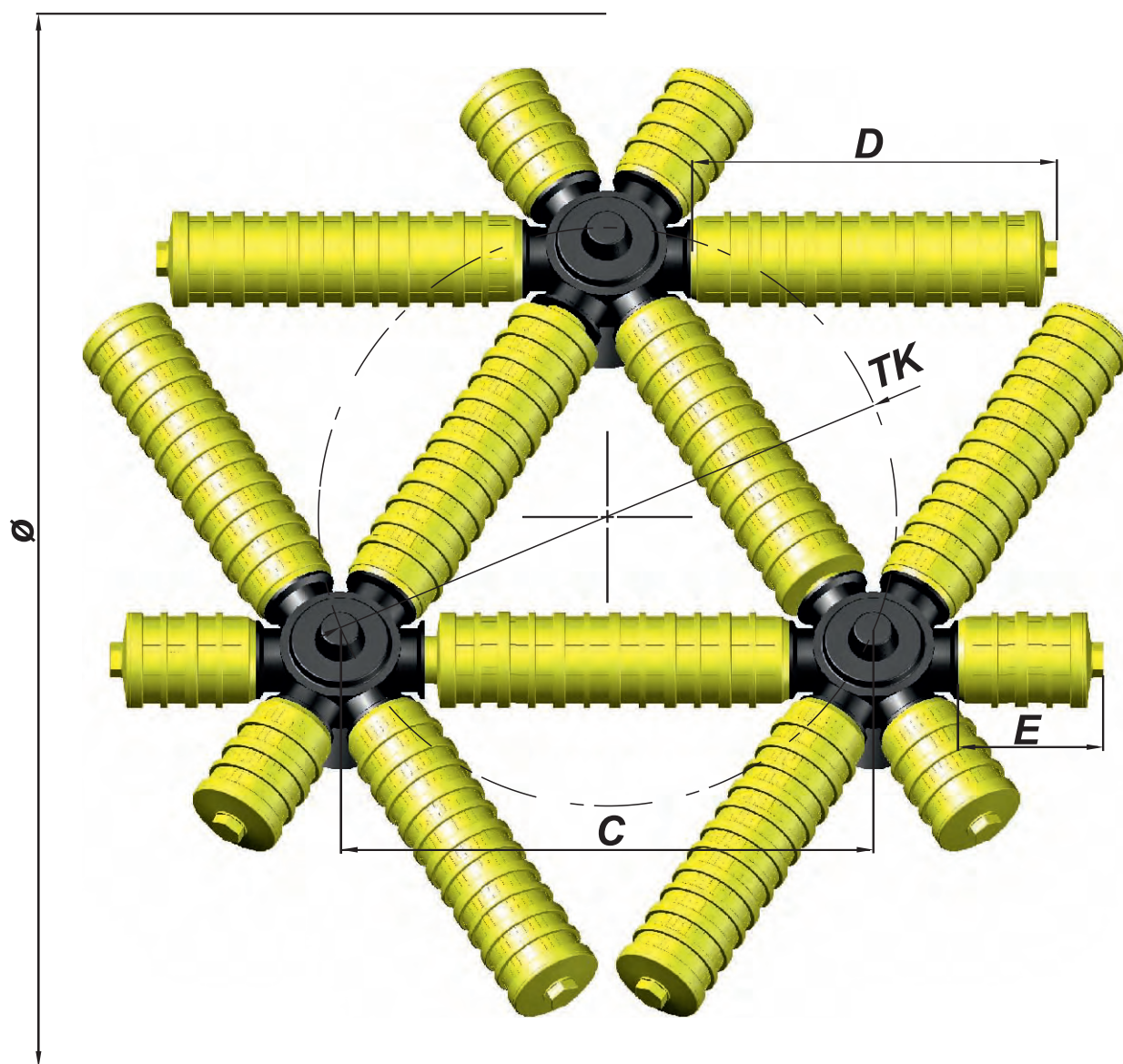
Drainage-
system

Drainage
system

Système de
drainage

Systema de
drenaje

Typ SD3



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	Ø	TK	C	D	E
	SD3	0,2 0,5	600	308	265	175	82
			700	344	298	206	82
			800	416	362	268	144
			900	452	392	299	144
			1000	522	454	361	175
			1100	522	454	361	237
			1200	522	454	361	299

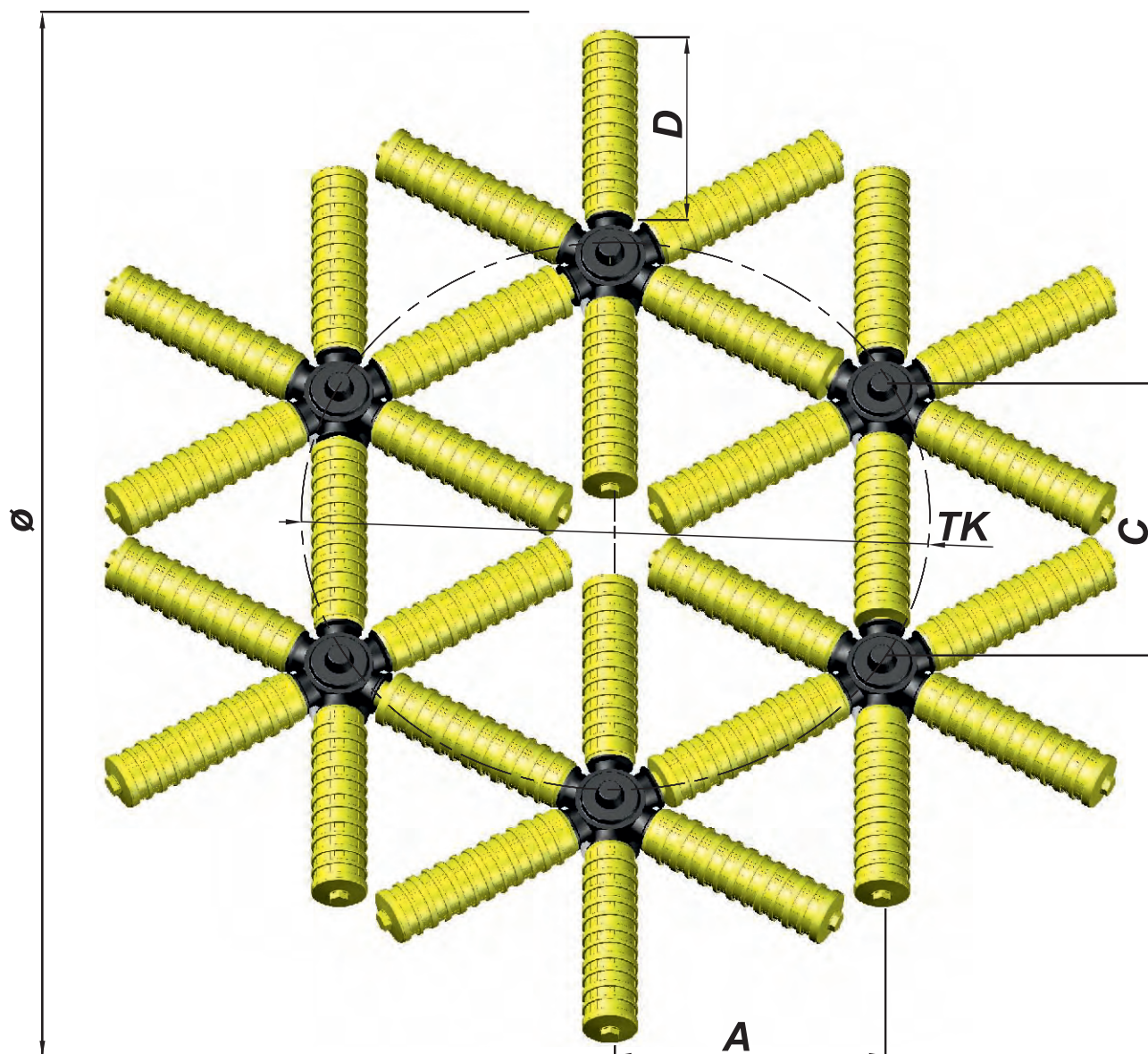
Drainage-
system

Drainage
system

Système de
drainage

Systema de
drenaje

Typ SD6



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	Ø	TK	C	D	A
	SD6	0,2 0,5	800	408	204	113	176,7
			1000	536	268	175	232,1
			1200	600	300	206	259,8
			1300	664	332	237	287,5
			1400	728	364	268	315,2
			1500	788	394	299	341,2
			1700	852	426	330	368,9
			1800	912	456	361	394,9

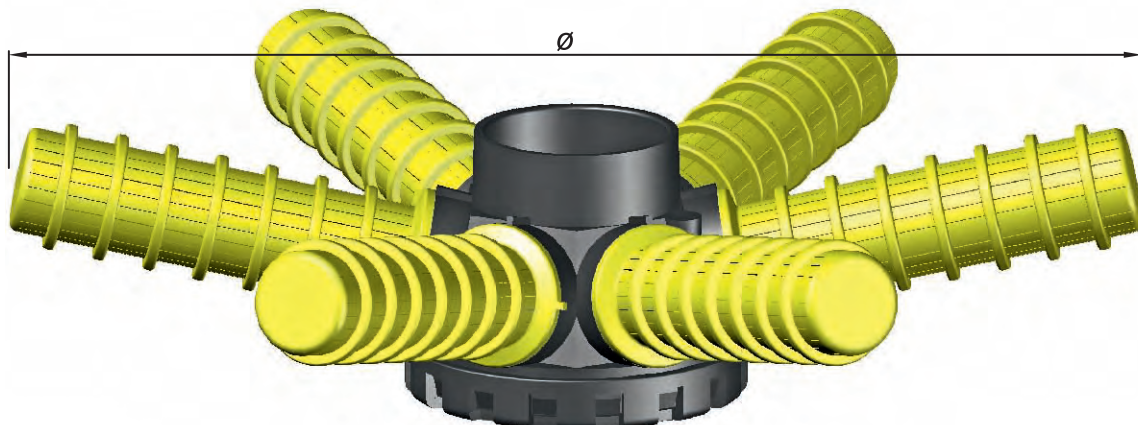
**Filterdüsen-Sterne
mit 6 Armen**

**Filter-Nozzles-Stars
with 6 arms**

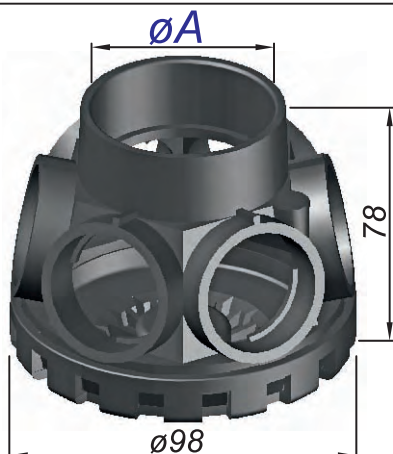
**Crépines
étoiles
à 6 bras**

**Estrellas para
toberas a filtro
con 6 brazos**

Typ SS6

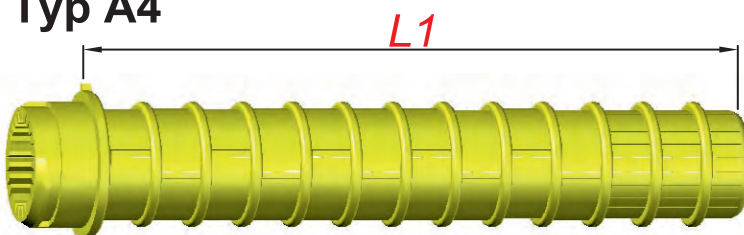


Typ MSS6



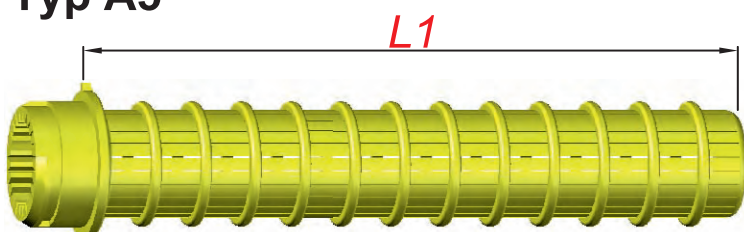
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	ØA	Material Material Materiau Material
	MSS6	Ø 1.05" Ø 1" Ø 1¼" Ø 1.9" Ø 50	ABS

Typ A4



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	L1	= Ø
	A4	0,25	143 = Ø 373 185 = Ø 460 210 = Ø 510	
		teilweise geschlossen partially closed		

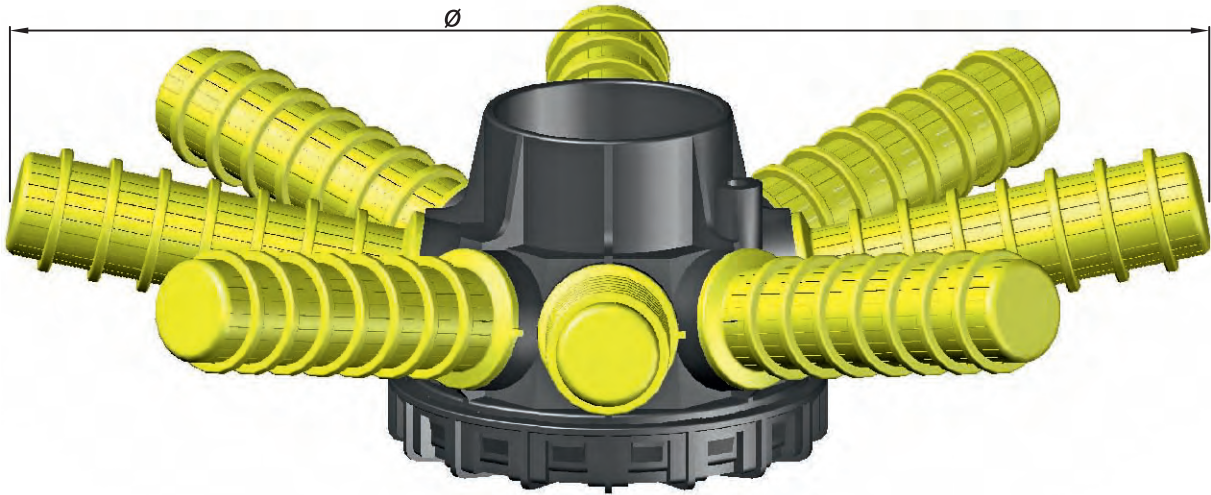
Typ A5



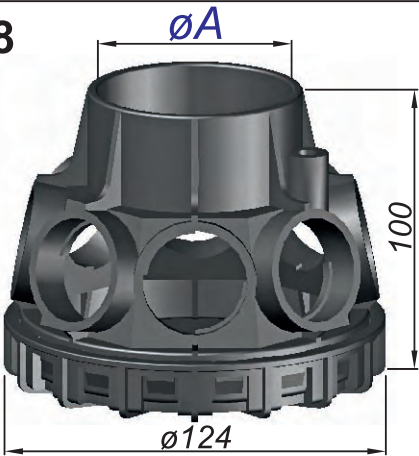
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	L1	= Ø
	A5	0,25	85 = Ø 260 113 = Ø 314 143 = Ø 373 185 = Ø 460 210 = Ø 510	

Filterdüsen-Sterne mit 8 Armen	Filter-Nozzles-Stars with 8 arms	Crépines étoiles à 8 bras	Estrellas para toberas a filtro con 8 brazos
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Typ SS8

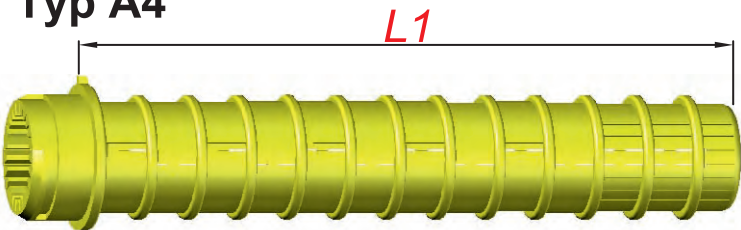


Typ MSS8



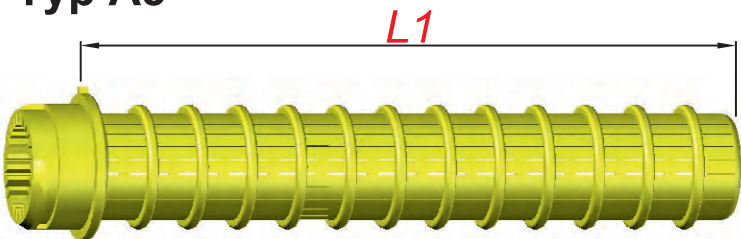
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Ø A	Material Material Materiau Material
	MSS8	Ø 60,3 Ø 63	ABS

Typ A4



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitz Slots Fentes Ranuras	L1	= Ø
	A4	0,25	143 = Ø 397 185 = Ø 479 210 = Ø 532	
		teilweise geschlossen partially closed		

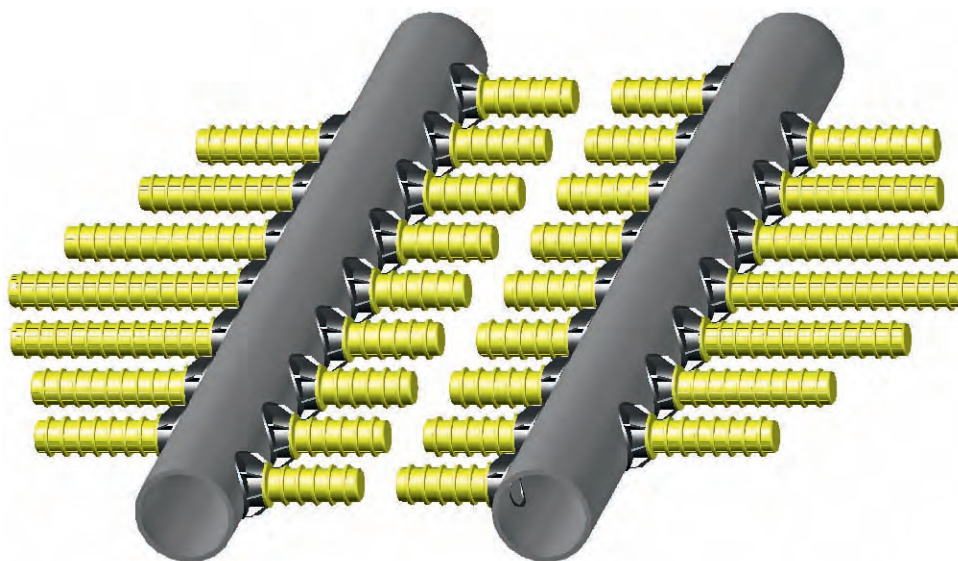
Typ A5



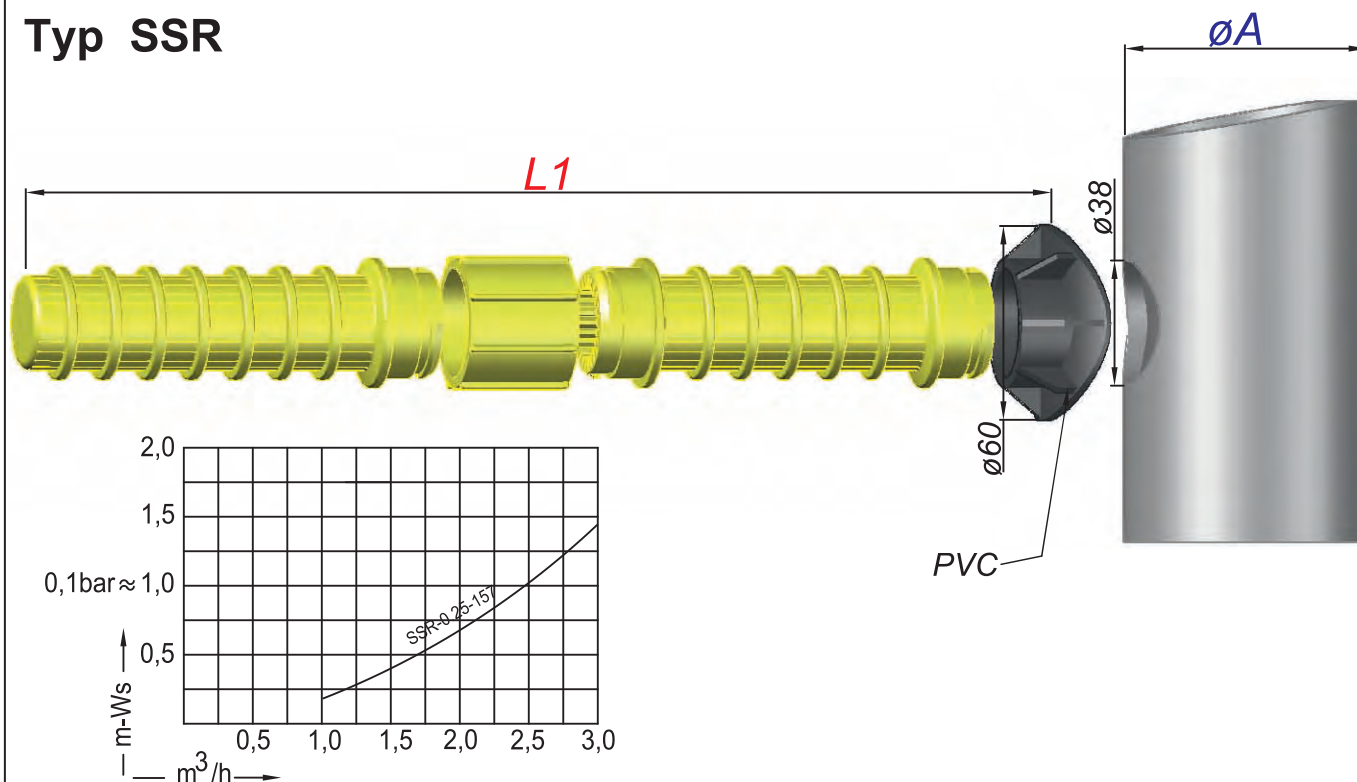
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitz Slots Fentes Ranuras	L1	= Ø
	A5	0,25	85 = Ø 284 113 = Ø 338 143 = Ø 397 185 = Ø 479 210 = Ø 532 240 = Ø 586 270 = Ø 644 312 = Ø 726	

Filterdüsen- Arme	Filter-Nozzles Arms	Crépines bras	Brazos de toberas a filtro
----------------------	------------------------	---------------	-------------------------------

Typ SSR



Typ SSR



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitz Slots Fentes Ranuras	$\varnothing A$	Länge Length Longueur Largura
	SSR	0,25	$\varnothing 63$ $\varnothing 75$ $\varnothing 90$ $\varnothing 114$	L1
				99, 127, 157, 199, 224, 254, 284, 326, 351, 381, 411, 453, 480, 508, 538, 580, 607, 635, 665, 707, 734, 762, 792, 834, 861, 889, 919, 961, 988, 1016, 1046, 1088 ...

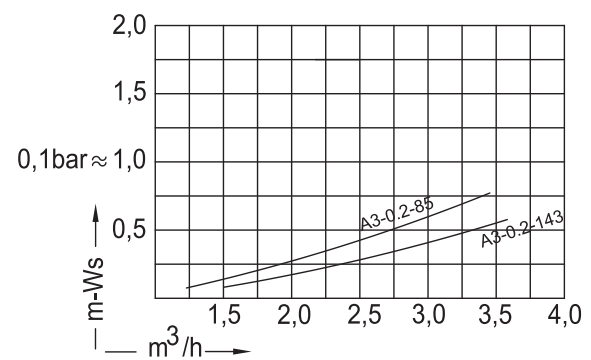
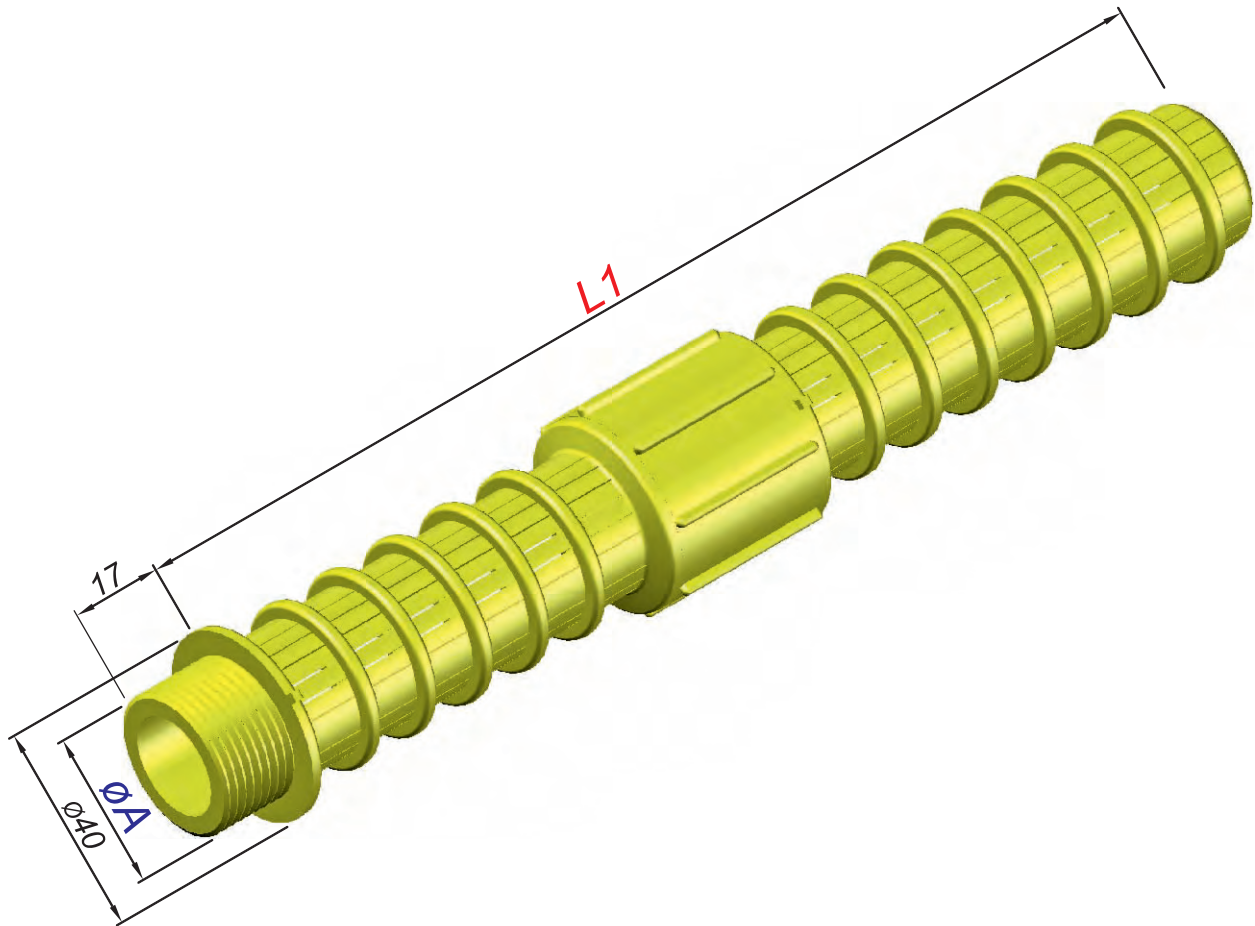
Filterdüsen-
Arme

Filter-Nozzles
Arms

Crépines bras

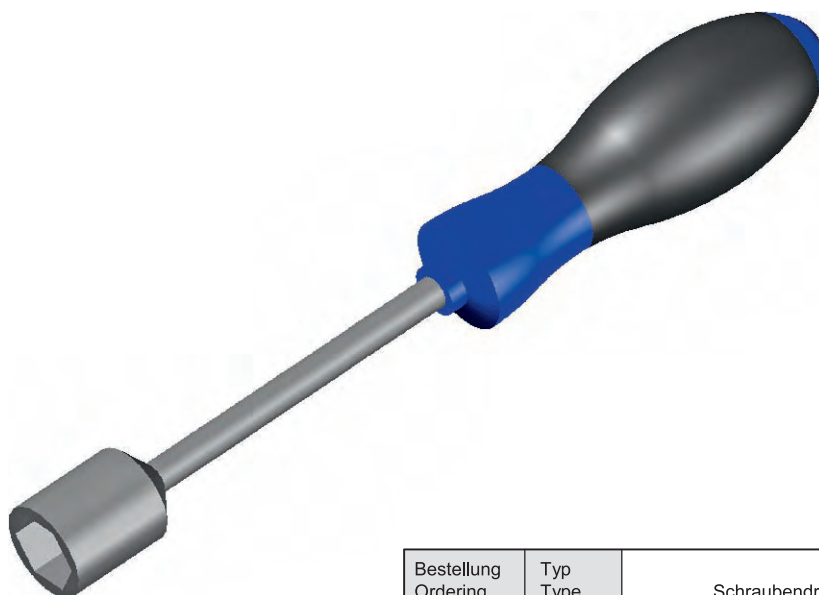
Brazos de toberas
a filtro

Typ A3



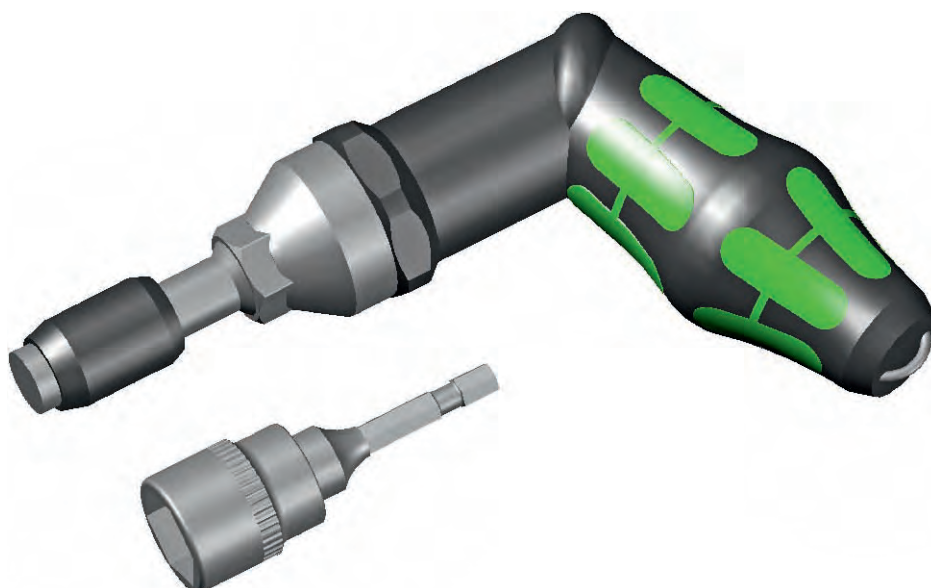
Bestellung Ordering Commande Encargo	Type Type Type Tipa	Schlitz Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	øA	Länge Length Longueur Largura	L1
	A3	0,25	G 3/4"		212, 240, 270, 312, 337, 367, 397, 439, 464, 494, 524, 566, 591, 621, 651, 693, 820, 947, 1074, ...	
			M30x2			
			G 1"		85, 113, 143, 185, 210, 240, 270, 312, 337, 367, 397, 439, 464, 494, 524, 566, 591, 621, 651, 693, 820, 947, 1074, ...	

Typ HSD



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schraubendreher Screwdriver
	HSD	SW17

Typ DSD



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Drehmoment - Schraubendreher Torque screwdriver Tournevis à déclenchement Atornillador con limitador de par	
	DSD	SW17	3-6 Nm

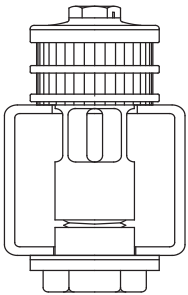
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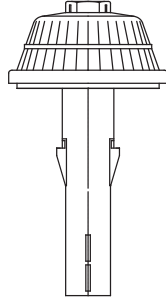
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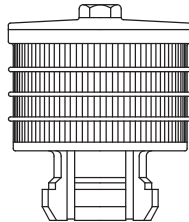
DSR



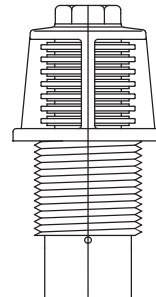
KE



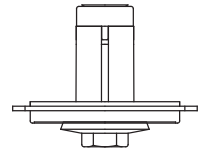
R2DB



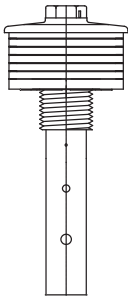
G2



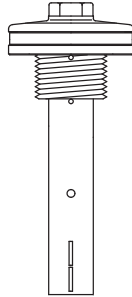
KSPB



LB



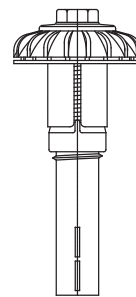
LB2



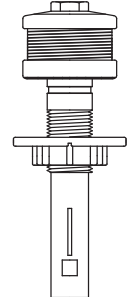
MST



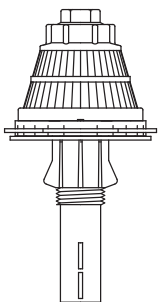
RSP



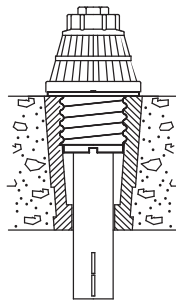
MV



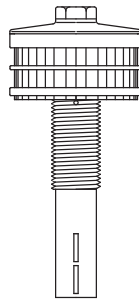
S2DB



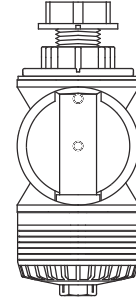
S2GR



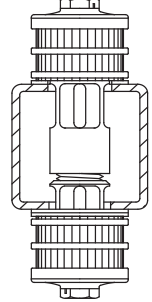
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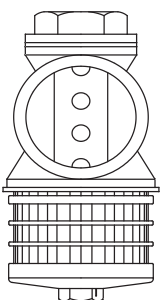
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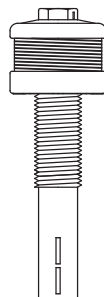
DD



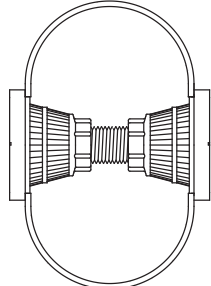
SCR



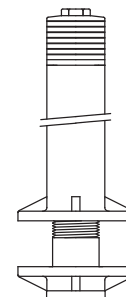
VP



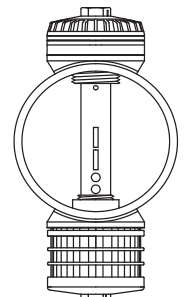
S2/S2

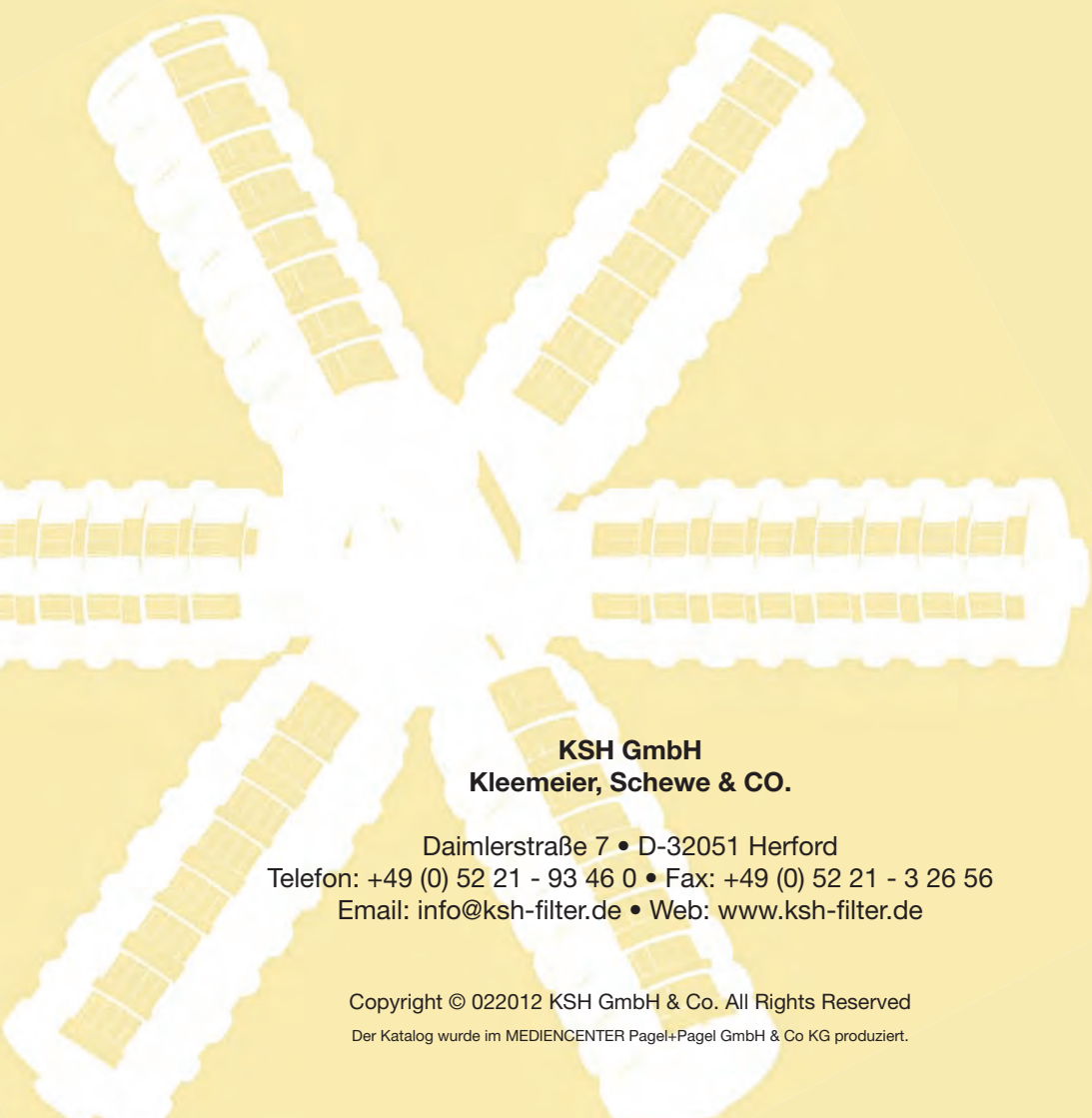
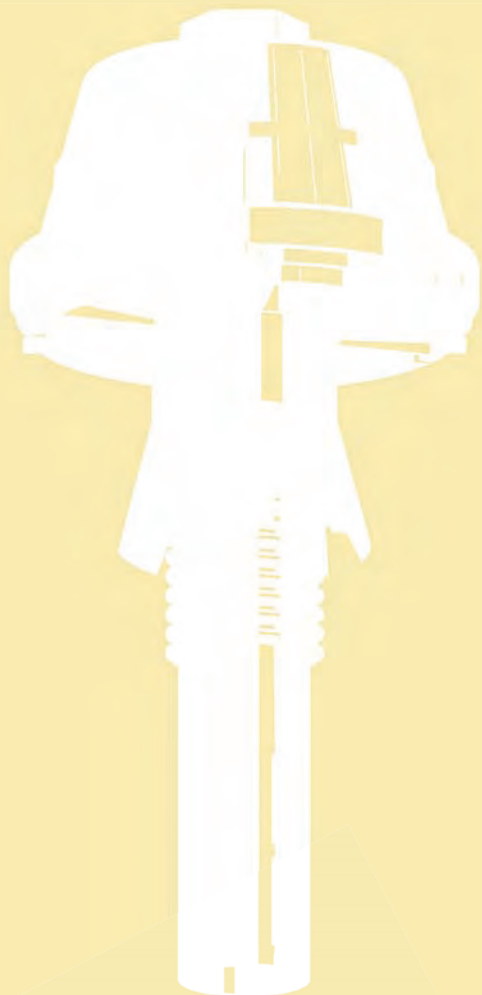


Lanzen



LCR





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