

Reel with an automatic spring-loaded rewind



Description

PV-ST is a range of hose reel with automatic spring-loaded rewind. The hose can be stopped at 9 positions per each rotation. A short pull of the hose releases the locking device. Reels are equipped with a hose guide and a hose stopper.

Standard

EU-guideline 2006/42/EG, DIN EN ISO 12100, DIN EN 1672-2

Surface finish

Powder coated steel, stainless steel or electro polished stainless steel

Hose

Hoses with outside diameter ~30 mm or smaller can be used in ST reels. The customer could select the type of the hose and nozzle.

Maximum allowed operation temperature of the reel is normally 100 °C. Maximum operation temperature and pressure of the reel/hose combination is depending of the selected type of the hose.

Reel

The reels are made from powder coated steel or stainless steel. The standard swivels are provided with axles made from special stainless steel. Depending on nominal width the housing consist of either hard anodized aluminium die cast alloy, nickel plated brass or stainless steel.

Hose size alternatives

Painted

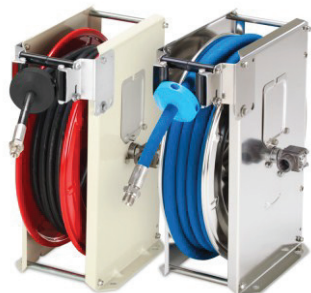
Code	Model	Max hose size (mm/m)
2956444	PV-ST14/12	16/15
2956450	PV-ST20/19	19/15, 25/10
2956460	PV-ST40/19/2	19/30, 25/25

Stainless steel

Code	Model	Max hose size (mm/m)
2956445	PV-ST14/12/e	16/15
2956446	PV-ST20/19/e	19/15, 25/10
1956447	PV-ST40/19/2/e	19/30, 25/25

Hose Reels Type ST

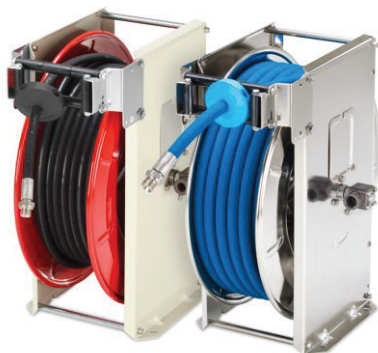
automatic spring return



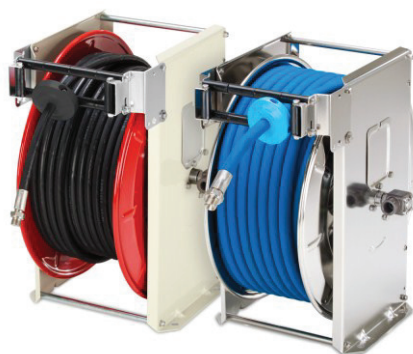
ST14/10 und ST14/10e



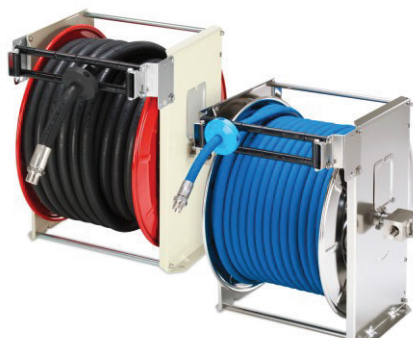
ST20/10 und ST20/10e



ST30/10 und ST30/10e



ST40/10/2 und ST40/10/2e



ST40/19/2 und ST40/19/2e

A large range of hose reels to suit all applications.

Description:

The ST range is a robust and reliable range of hose reel with automatic spring return with the following details.

Choice of construction material

Steel, powder coated (Application in dry areas)

Special stainless steel (Application in wet areas)

Special stainless steel, electropolished (Application in hygienic areas)

Reel Bearing specifications:

Synthetic gliding bearing, maintenance free, chemical resistant, entirely resistant against moisture and dirt.

Motive Spring

High quality texture and spring band steel for maximum service life.

Tension release:

The hose can be stopped at 9 positions per each rotation. A short pull of the hose releases the locking device.

Swivel

The standard swivels are provided with axles made from special stainless steel. Depending on the nominal width the housing consists of either hard anodized aluminium die cast alloy or nickel-plated brass. All types can be supplied entirely made from special stainless steel upon request.

Inflow window of the hose

Depending on the pulling direction of the hose the inflow window of the hose can be mounted in various positions. (See pictures 1, 5 and 12, page "Mounting Examples").

Mounting possibilities:

The page "Mounting Examples" of this prospectus shows some of the mounting possibilities of the hose reels with or without the available mounting consoles.

Areas of application

Water, water with chemical cleaning substances, air, oils and greases.

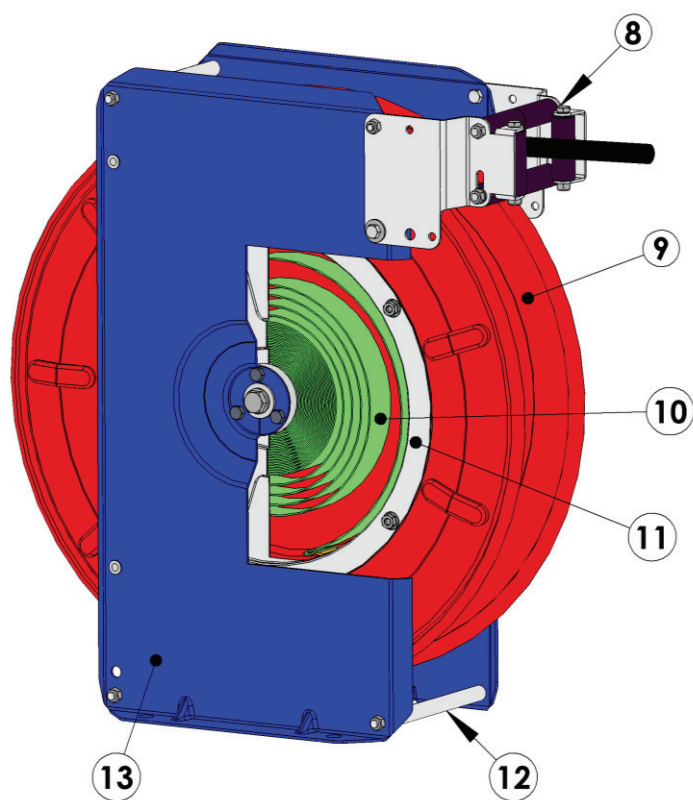
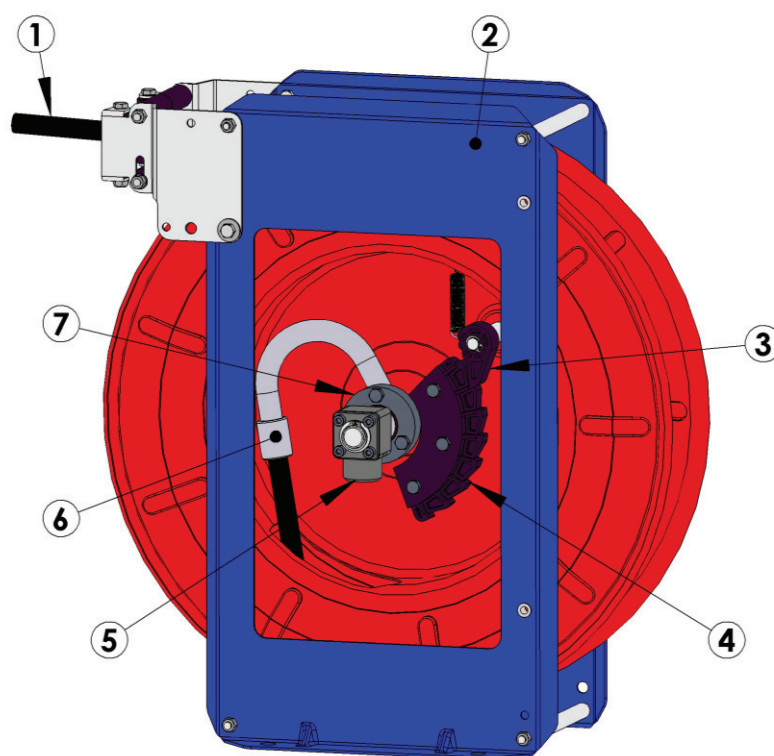
Technical details and measurements

See data sheets on the following pages.

Normally the maximum allowed operating temperature for the hose reels is 100°C. In case of necessity it can be modified up to 180°C.

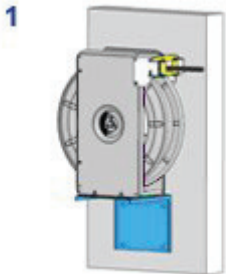
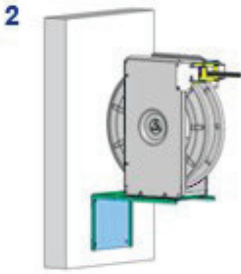
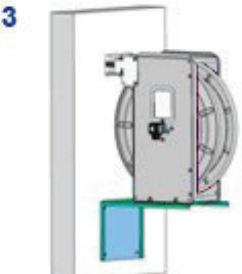
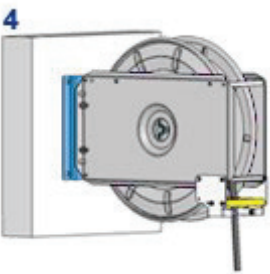
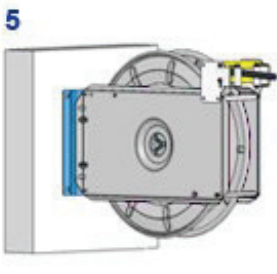
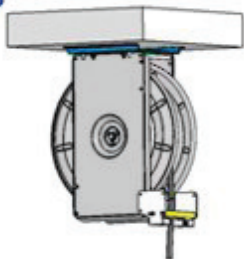
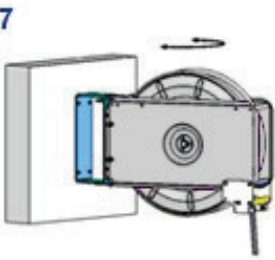
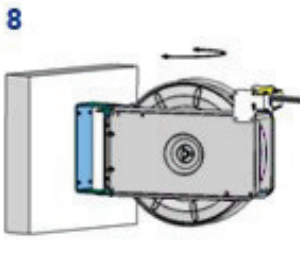
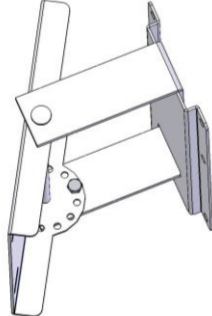
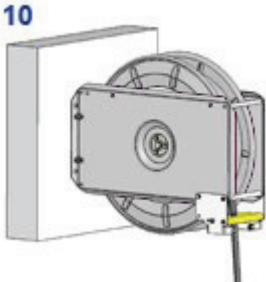
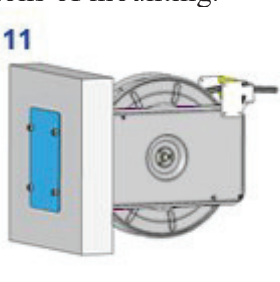
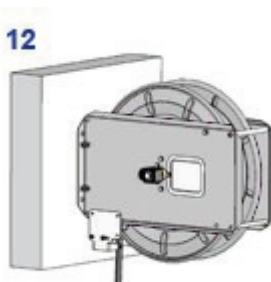
Accessories

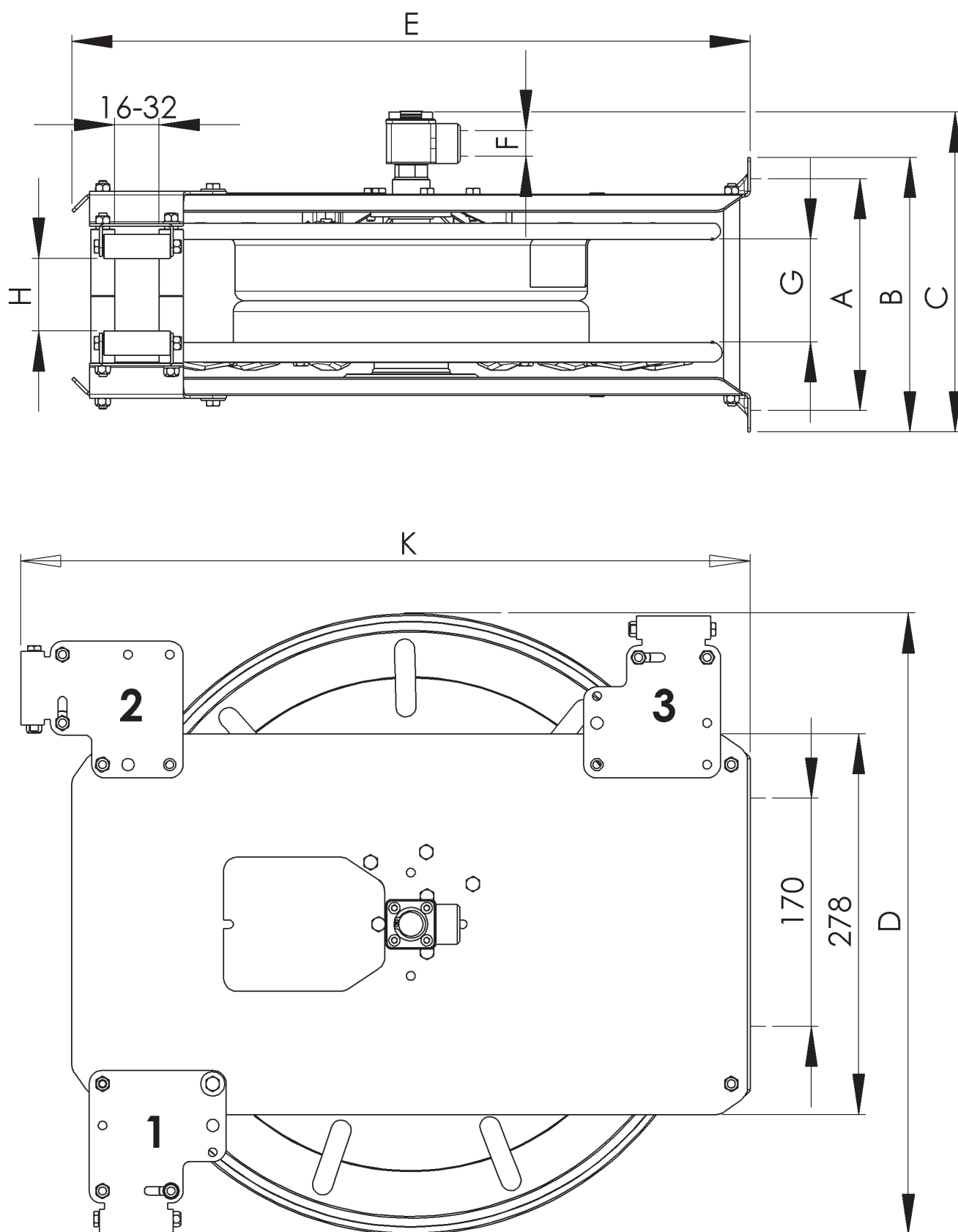
Please see pages 28 - 42 for our large range of accessories.



Point	Description
1	Working hose
2	Stand, right side
3	Pawl
4	Toothed quadrant
5	Joint for feeder hose
6	Joint for working hose
7	Reel bearing
8	Inflow window
9	Drum
10	Motive spring
11	Cover for spring (cut)
12	Spacer tube
13	Stand, left side

Mounting Examples for Hose reels type ST and ST/Ex

1 Angled console for fast wall mounting, parallel to the wall, Type KHDp. 	2 Angled console for fast wall mounting, at right-angles to the wall, Type KHDr. 	3 Angled console for fast wall mounting with wall duct, Type KHDr 
4 Console for fastening to wall and ceiling, Type KWH, hose downwards. 	5 Console for fastening to wall and ceiling, type KWH, hose forward. 	6 Console for fastening to wall and ceiling, Type KWH, ceiling mounted. 
7 Wall swivel console, Type SKW, hose downwards. Swinging range 180° 	8 Wall swivel console, Type SKW, hose forward. Swinging range 180° 	9 Both swivel consoles SKW 40/1 and 40/2 can be stopped at 7 angle-positions. 
10 Mounting without console. 	11 Mounting with counter plate for lightweight walls. Counter plates are available for all variations of mounting. 	12 Hose guidance close to the wall, possible for variations of mounting picture 4, 5, 10 and 11. 



Mounting possibilities of the hose inlet:

Standard position : 1.

Alternative positions : 2, 3.

Hose reels ST Series

Data specification

Data specification																			
Type	Product Code	Enrollable hose length in m depending on outer hose diameter				Nominal width / thread F		Max. Pressure	Weight	Dimensions in mm									Surface
		Ø15	Ø20	Ø25	Ø30	mm	Zoll	bar	kg	A	B	C	D	E	G	H	K		
ST14/10	V10710002	14	12			10	3/8"	300	14	176	206	239	400	440	75	48	470	Powder coated	
ST14/10e	V10710011	14	12			10	3/8"	300	14	176	206	239	400	440	75	48	470	Stainless steel	
ST14/10ep	V10710007	14	12			10	3/8"	300	14	176	206	239	400	440	75	48	470	Electro polished	
ST14/12	V10710002-1		12			12	1/2"	200	14	176	206	239	400	440	75	48	470	Powder coated	
ST14/12e	V1071001101		12			12	1/2"	200	14	176	206	239	400	440	75	48	470	Stainless steel	
ST14/12ep	V1071001102		12			12	1/2"	200	14	176	206	239	400	440	75	48	470	Electro polished	
ST20/10	V10710005	20	17			10	3/8"	300	16	176	206	239	460	500	75	48	530	Powder coated	
ST20/10e	V10710012	20	17			10	3/8"	300	16	176	206	239	460	500	75	48	530	Stainless steel	
ST20/10ep	V10710010	20	17			10	3/8"	300	16	176	206	239	460	500	75	48	530	Electro polished	
ST20/12	V1071000501		17			12	1/2"	200	16	176	206	239	460	500	75	48	530	Powder coated	
ST20/12e	V1071001201		17			12	1/2"	200	16	176	206	239	460	500	75	48	530	Stainless steel	
ST20/12ep	V1071001202		17			12	1/2"	200	16	176	206	239	460	500	75	48	530	Electro polished	
ST20/19	V10710019		17	10	7	19	3/4"	200	17	176	206	254	460	500	75	48	530	Powder coated	
ST20/19e	V10710020		17	10	7	19	3/4"	200	17	176	206	254	460	500	75	48	530	Stainless steel	
ST20/19ep	V10710021		17	10	7	19	3/4"	200	17	176	206	254	460	500	75	48		Electro polished	
ST30/10	V10710003	28				10	3/8"	300	18	226	256	304	460	500	125	106	530	Powder coated	
ST30/10e	V1071000301	28				10	3/8"	300	18	226	256	304	460	500	125	106	530	Stainless steel	
ST30/10ep	V1071000302	28				10	3/8"	300	18	226	256	304	460	500	125	106	530	Electro polished	
ST30/12	V10710004		25			12	½"	200	18	226	256	304	460	500	125	106	530	Powder coated	
ST30/12e	V1071000401		25			12	½"	200	18	226	256	304	460	500	125	106	530	Stainless steel	
ST30/12ep	V1071000402		25			12	½"	200	18	226	256	304	460	500	125	106	530	Electro polished	
ST40/10/2	V10710013	40	37			10	3/8"	300	25	276	306	339	460	500	182	152	530	Powder coated	
ST40/10/2e	V10710014	40	37			10	3/8"	300	25	276	306	339	460	500	182	152	530	Stainless steel	
ST40/10/2ep	V10710015	40	37			10	3/8"	300	25	276	306	339	460	500	182	152	530	Electro polished	
ST40/12/2	V1071001302		37			12	1/2"	200	25	276	306	339	460	500	182	152	530	Powder coated	
ST40/12/2e	V1071001402		37			12	1/2"	200	25	276	306	339	460	500	182	152	530	Stainless steel	
ST40/19/1	V10710025		20	20	18	19	3/4"	200	20	276	306	354	460	500	182	152	530	Powder coated	
ST40/19/1e	V10710026		20	20	18	19	3/4"	200	20	276	306	354	460	500	182	152	530	Stainless steel	
ST40/19/1ep	V10710027		20	20	18	19	3/4"	200	20	276	306	354	460	500	182	152	530	Electro polished	
ST40/19/2	V10710022		40	36	30	19	3/4"	200	26,5	376	406	454	460	500	282	252	530	Powder coated	
ST40/19/2e	V10710023		40	36	30	19	3/4"	200	26,5	376	406	454	460	500	282	252	530	Stainless steel	
ST40/19/2ep	V10710024		40	36	30	19	3/4"	200	26,5	376	406	454	460	500	282	252	530	Electro polished	
ST60/10/3e	V10710028	57				10	3/8"	300	32,5	376	406	454	460	500	282	252	530	Stainless steel	