

**New
Smart
Grip**

**Obturateurs
gonflables**



MULTI SIZE PIPE PLUG 1,5 BAR

Designed for fast and reliable sealing or blocked of canals, pipes, joints and inlets. It is used primarily for repairs, technical support, accidents, when tested with water or air leak. Pipe plugs are made from high quality rubber with a textile cover. Resistant to the environment, to temperatures from 40 to 70°C, have high resistance to chemicals. Standard series of plugs can be made in range of diameters from 50 to 3000 mm.

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Total Length	Product Weight
		(mm)	(mm)	(bar)	(mm)	(mm)	(kg)
ENV-50100	50-100	45	100	1,5	45	330	0.4
ENV-70150	70-150	70	150	1,5	64	370	0.6
ENV-100200	100-200	100	200	1,5	88	550	1.15
ENV-150300	150-300	150	300	1,5	138	550	2.1
ENV-200400	200-400	200	400	1,5	185	650	3.1
ENV-200500	200-500	200	500	1,5	185	800	4.5
ENV-300600	300-600	300	600	1,5	285	850	9.5
ENV-375750	375-750	375	750	1,5	360	1000	15.7
ENV-5001000	500-1000	500	1000	1,5	485	1150	26.5
ENV-5001200	500-1200	500	1200	1,5	475	1400	32
ENV-5001400	500-1400	500	1400	1,5	475	1600	44
ENV-6001200	600-1200	600	1200	1,5	585	1300	35
ENV-6001600	600-1600	600	1600	1,5	575	1900	56
ENV-8002000	800-2000	800	2000	1,5	790	2400	82
ENV-12003000	1200-3000	1200	3000	1,0	1175	3500	135



Obturbateur simple 1,5 bar
50 à 3000mm

Pipe Diameter (mm)	70	100	150	200	250	300	350	400	500	600	700	800	900	1000	1200
35-70	0.5														
50-100	1.0	0.5													
70-150	1.0	0.75	0.5												
100-200		1.0	0.75	0.5											
150-300			1.0	0.8	0.7	0.5									
200-400				1.0	0.8	0.7	0.6	0.5							
200-500				1.0	0.9	0.8	0.75	0.6	0.5						
300-600						1.0	0.8	0.75	0.7	0.5					
375-750							1.2	0.9	0.7	0.6					
500-1000									1.0	0.9	0.8	0.7	0.6	0.5	
600-1200										1.0	0.9	0.8	0.7	0.6	0.5

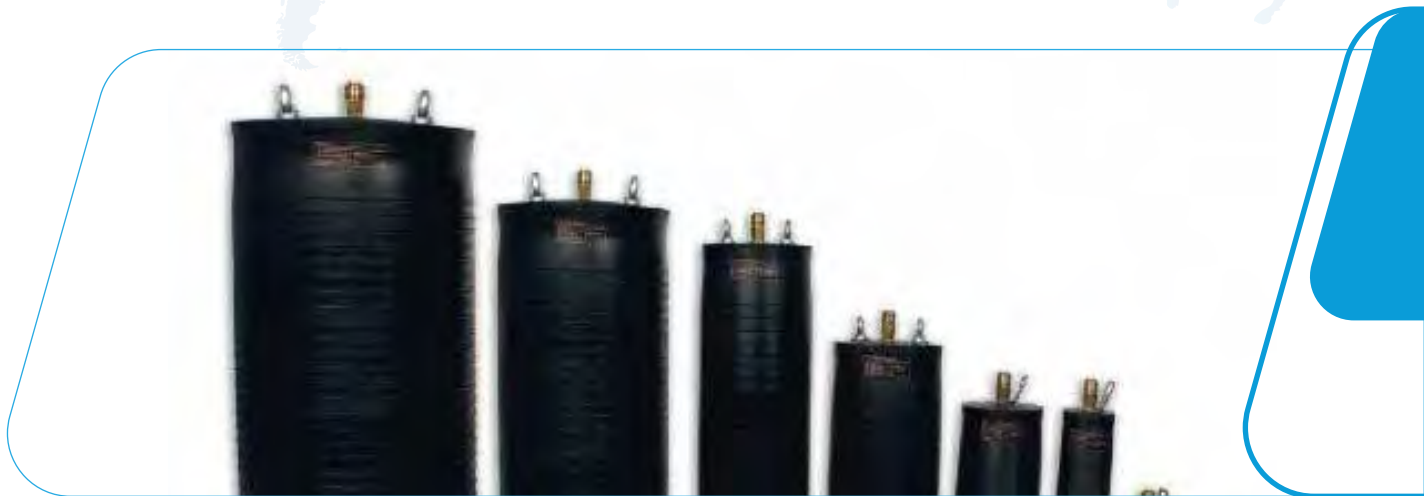
Pipe Diameter (mm)	500	600	700	800	900	1000	1200	1300	1400	1500	1600
500-1200	1,2	1,1	1,0	0,80	0,70	0,60	0,5				
500-1400	1,2	1,1	1,0	0,9	0,80	0,85	0,70	0,60	0,50		
600-1600		1,1	1,0	0,95	0,9	0,85	0,80	0,75	0,7	0,60	0,5

Pipe Diameter (mm)	80	90	100	120	140	160	180	200	220	240	260	280	300
800-2000	1,2	1,10	1,00	0,90	0,80	0,70	0,60	0,5					
1200-3000				0,70	0,60	0,55	0,50	0,45	0,40	0,45	0,30	0,35	0,30

KEVLAR PIPE PLUGS 2,5 BAR OBTURATEUR SIMPLE 35 1500 MM

These plugs are molded of special NR-SRB rubber, reinforced with KEVLAR tire cording. All plugs are test-designed at three times their working pressure to ensure durability and safety. Due to their light weight and short length, pipe plugs are easy to handle even in large diameter sizes. Available in multi-size versions for pipes from 35 till 1200 mm in diameter. All plugs are equipped with quick-connect couplings and nipples. Reinforcement sleeves available for heavy duty use .

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Total Length	Product Weigh
		(mm)	(mm)	(bar)	(mm)	(mm)	(kg)
ENV-3570	35-70	35	70	2.5	33	300	0.2
ENV-50100	50-100	50	100	2.5	45	330	0.4
ENV-70150	70-150	70	150	2.5	64	370	0.6
ENV-100200	100-200	100	200	2.5	88	550	1.15
ENV-150300	150-300	150	300	2.5	138	550	2.1
ENV-200500	200-500	200	500	2.5	185	850	4.2
ENV-300600	300-600	300	600	2.5	285	850	9.5
ENV-375750	375-750	375	750	2.5	360	1000	15.7
ENV-500800	500-800	500	800	2.5	485	1150	26.5
ENV-6001000	600-1000	600	1000	2.5	585	1300	35
ENV-10001500	1000-1500	1000	1500	1.5	990	1550	56



Back pressure measured in dry pipe

Model: AB	35-70	50-100	70-150	100-200	150-300	200-400	300-600	500-1000	600-1200
Max. Working Pressure (2,5 bar)									
Pipe Diameter (mm)	Max. back pressure of water (bar)								
35	2.0								
50	1.9	2							
70	1.8	1.9	3						
100		1.8	1.9	1.5					
150			1.8	1.1	1.5				
200				0.8	1.1	1.5			
300					0.8	1.3	1.5		
400						0.8	1.3		
500							1.1	1.5	
600							0.8	1.4	1.5
700								1.3	1.3
800								1.2	1.2
900								1.1	1.1
1000								1.0	1.0
1200									0.9



MULTI SIZE FLEXIBLE PIPE TEST PLUG 1,5 BAR

The plugs can be easily installed at angle through the side tap to the main pipe, and so allow to make an effective seal in the side and challenge in the main pipe. They are used for testing of sealing by air or water. Resistant to the environment, to temperature -40 to 70°C. Standard series of test plugs can be made in a range of diameters from 50 to 2000 mm.

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Total Length	Bypass Diameter	Product Weigh
		(mm)	(mm)	(bar)	(mm)	(mm)	(inch)	(kg)
ENV-501001	50-100	50	100	1.5	45	330	1x ½"	1.2
ENV-501002	50-100	50	100	1.5	45	330	2x1/16"	1.2
ENV-701501	70-150	70	150	1.5	64	400	½"	1.5
ENV-701502	70-150	70	150	1.5	64	400	1x ½"	1.5
ENV-1002001	100-200	100	200	1.5	88	500	½"	2.6
ENV-1002003	100-200	100	200	1.5	88	500	2x1/4"	2.6
ENV-1503001	150-300	150	300	1.5	138	580	1"	4.5
ENV-1503002	150-300	150	300	1.5	138	580	2x1/4"	4.5
ENV-2004001	200-400	200	400	1.5	185	680	2"	8.5
ENV-2004002	200-400	200	400	1.5	185	680	2x1"	8.5
ENV-2005001	200-500	200	500	1.5	185	820	2"	9.5
ENV-3006001	300-600	300	600	1.5	285	850	2"	15.2
ENV-3006002	300-600	300	600	1.5	285	850	2x2"	18.5
ENV-300600	300-600	300	600	1.5	285	850	1x3"	18.5
ENV-3757501	375-750	375	750	1.5	360	1000	2"	29.5
ENV-3757502	375-750	375	750	1.5	360	1000	2x2"	35.2
ENV-3757503	375-750	375	750	1.5	360	1000	3"	35
ENV-50010001	500-1000	500	1000	1.5	485	1200	2"	42
ENV-50010002	500-1000	500	1000	1.5	485	1200	2x2"	52
ENV-50010003	500-1000	500	1000	1.5	485	1200	4"	55
ENV-50012001	500-1200	500	1200	1.5	490	1700	4"	40
ENV-50014001	500-1400	500	1400	1.5	490	1900	4"	52
ENV-60012001	600-1200	600	1200	1.5	585	1400	2"	50
ENV-60012002	600-1200	600	1200	1.5	585	1400	2x2"	61





ENV-60012003	600-1200	600	1200	1.5	585	1400	4"	66
ENV-60016001	600-1600	600	1600	1.5	590	1900	4"	64
ENV-80020001	800-2000	800	2000	1.5	790	3000	4"	96
ENV-120030001	1200-3000	1200	3000	1.0	1190	3500	4"	180



OBTURATEUR à passage de 50 à 2000 mm

KEVLAR PIPE TEST PLUG 2.5BAR

Pipe test plugs made are molded of special NR-SRB rubber, reinforced with kevlar rire cording, these plugs are ideal for testing of plumbing systems. Available in multi-size versions for pipes from 35 till 1200 mm in diameter. Due to high quality materials and materials, insuring a high level of reliability and safety. Due to their light weight and short length, pipe plugs are easy to handle even in large diameter sizes. All plugs are equipped with quick-connect couplings and nipples.

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Total Length	Bypass Diameter	Product Weigh
		(mm)	(mm)	(bar)	(mm)	(mm)	(inch)	(kg)
ENV-35701	35-70	35	70	2.5	33	300	1/16"	0.3
ENV-5001001	50-100	50	100	2.5	45	330	½"	1.2
ENV-501002	50-100	50	100	2.5	45	330	2x1/16"	1.2
ENV-701501	70-150	70	150	2.5	64	400	1"	1.5
ENV-701502	70-150	70	150	2.5	64	400	2x1/4"	1.5
ENV-1002001	100-200	100	200	2.5	88	500	1"	2.6
ENV-1002003	100-200	100	200	2.5	88	500	2x1/2"	2.6
ENV-1503001	150-300	150	300	2.5	138	580	2"	4.5
ENV-1503002	150-300	150	300	2.5	138	580	2x1"	4.5
ENV-2004001	200-400	200	400	2.5	185	680	2"	8.5
ENV-2004002	200-400	200	400	2.5	185	680	2x1"	8.5
ENV-3006001	300-600	300	600	2.5	285	850	2"	15.2
ENV-3006002	300-600	300	600	2.5	285	850	2x2"	18.5
ENV-3006003	300-600	300	600	2.5	285	850	1x3"	18.5
ENV-3757501	375-750	375	750	2.5	360	1000	2"	29.5
ENV-3757502	375-750	375	750	2.5	360	1000	2x2"	35.2
ENV-3757503	375-750	375	750	2.5	360	1000	3"	35
ENV-50010001	500-1000	500	1000	2.5	485	1200	2"	42
ENV-50010002	500-1000	500	1000	2.5	485	1200	2x2"	52
ENV-50010003	500-1000	500	1000	2.5	485	1200	4"	55
ENV-60012001	600-1200	600	1200	2.5	585	1400	2"	50
ENV-60012002	600-1200	600	1200	2.5	585	1400	2x2"	61

SMALL PIPE PLUG

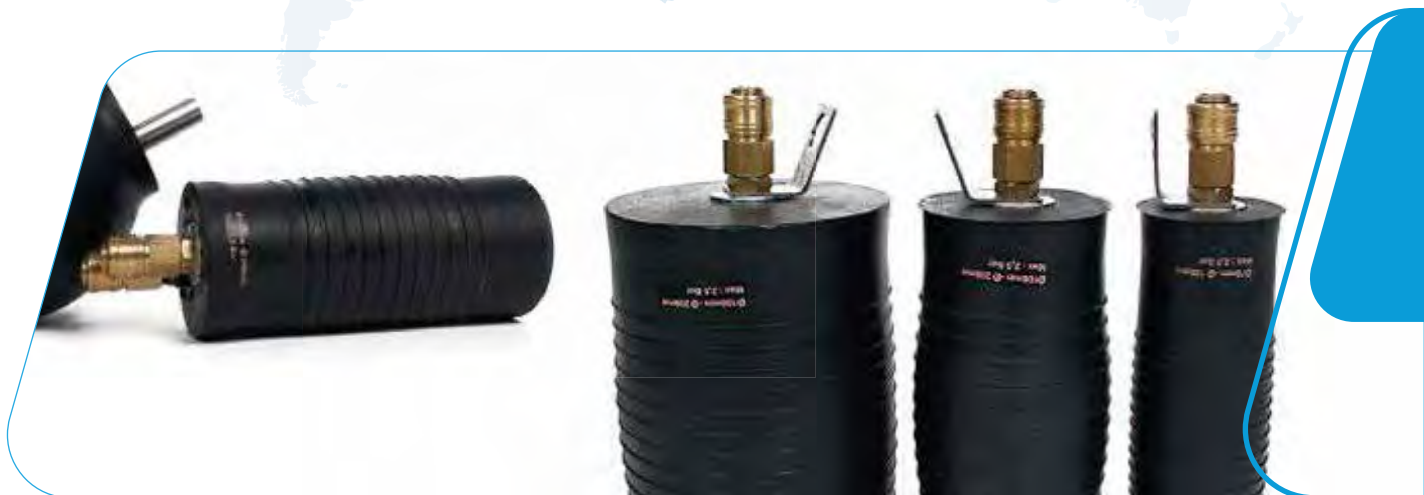
Obturateur court 2.5 bar

Designed for fast and reliable sealing or blockage canals, joints and inlets. It is used primarly for repairs, technical maintenance, accidents, when tested with water or air tightness.

Pipe plugs are made from high quality rubber with a textile cover.resistant to the environment, to trmperatures from -40 to 80 °C, have high resistance to chemicals.

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Total Length	Product Weigh
		(mm)	(mm)	(bar)	(mm)	(mm)	(kg)
ENV-30	1 ¼"	30	32	2.5	29	60	0.15
ENV-40	1 ½"	38	42	2.5	37	90	0.15
ENV-50	2"	48	54	2.5	45	110	0.25
ENV-60	2 ½"	59	65	2.5	58	120	0.35
ENV-75	3"	72	78	2.5	69	140	0.45
ENV-100	4"	90	105	2.5	88	180	0.6
ENV-150	6"	150	150	2.5	90	200	1.1
ENV-200	8"	200	200	2.5	138	200	1.6
ENV-250	10"	250	250	2.5	180	250	2.2
ENV-300	12"	300	300	2.5	225	300	3.5
ENV-400	16"	400	400	2.5	380	400	4.4
ENV-500	20"	500	500	2.5	485	500	5.5
ENV-600	24"	600	600	2.5	585	600	6.3

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Total Length	Product Weigh
		(mm)	(mm)	(bar)	(mm)	(mm)	(kg)
ENV-5075	2"-3"	50	75	2.5	45	200	0.3
ENV-70100	3"-4"	70	100	2.5	65	250	0.4
ENV-100150	4"-6"	90	155	2.5	88	210	0.75
ENV-150200	6"-8"	150	200	2.5	138	250	1.1
ENV-200250	8"-10"	200	250	2.5	180	300	1.6
ENV-250300	10"-12"	250	300	2.5	225	350	2.2
ENV-300350	12"-14"	300	350	2.5	280	350	3.5
ENV-400450	16"-18"	400	450	2.5	380	450	4.2
ENV-500550	20"-22"	500	550	2.5	480	500	5.4
ENV-600650	24"-26"	600	650	2.5	580	550	6.5

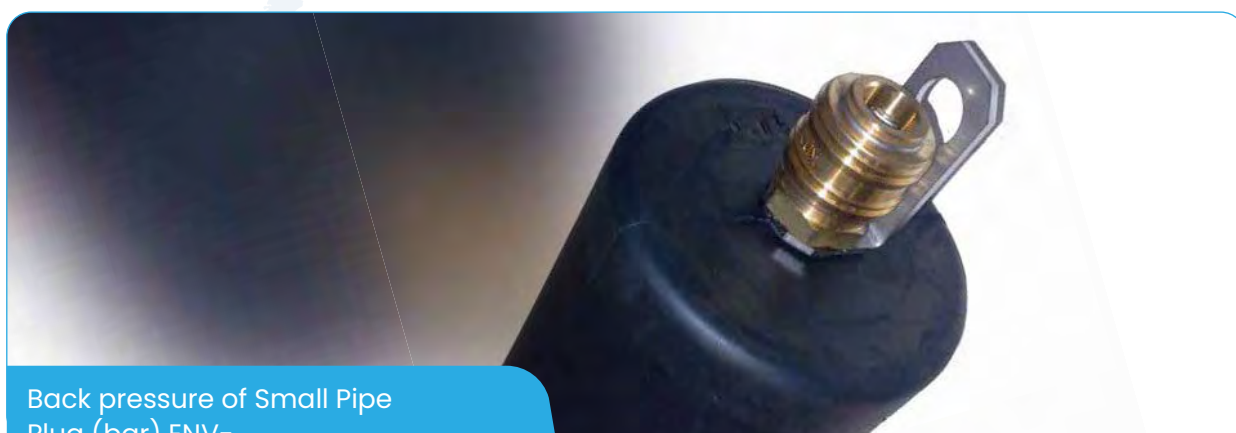


Manufactured in diameters from 30 to 650 mm.

SMALL PIPE PLUG

Obturateur court 2.5 bars

Pipe Diameter (mm)	40	50	75	100	150	200	250	300	350	400	450	500	550	600	650
Nominal size (mm)															
50-75		1.8	1.5												
70-100			1.7	1.5											
100-150				1.8	1.5										
150-200					1.8	1.5									
200-250						1.8	1.5								
250-300							1.8	1.5							
300-350								1.8	1.5						
400-450										1.8	1.5				
500-550												1.8	1.5		
600-650														1.8	1.5



Back pressure of Small Pipe Plug (bar) ENV-

SMALL PIPE TEST PLUG

Obturbateur court à passage

These plugs are mainly used for sealing with sewer connections. They are used in the test system and pipeline leak. The plugs are made from high quality rubber, and metal items from anticorrosion materials. Standard type series are metal items from 30 to 650 mm. They are used for testing sealing air, or water and by-pass

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Total Length	Bypass Diameter	Product Weigh
		(mm)	(mm)	(bar)	(mm)	(mm)	(inch)	(kg)
ENV-30	1 ¼"	30	32	2.5	29	60	1/8"	0.14
ENV-40	1 ½"	38	42	2.5	37	90	1/8"	0.15
ENV-50	2"	48	54	2.5	45	110	1/8"	0.25
ENV-60	2 ½"	59	65	2.5	58	120	½"	0.35
ENV-75	3"	72	78	2.5	69	140	½"	0.45
ENV-100	4"	90	105	2.5	88	180	½"	0.6
ENV-150	6"	150	150	2.5	138	200	½"	1.5
ENV-200	8"	200	200	2.5	180	250	1"	2
ENV-250	10"	250	250	2.5	225	300	1"	2.5
ENV-300	12"	300	300	2.5	285	350	1"	3.2
ENV-400	16"	400	400	2.5	380	450	2"	4.2
ENV-500	20"	500	500	2.5	480	500	2"	5.4
ENV-600	24"	600	600	2.5	580	550	2"	6.5

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Total Length	Bypass Diameter	Product Weigh
		(mm)	(mm)	(bar)	(mm)	(mm)	(inch)	(kg)
ENV-5075	2"-3"	48	150	2.5	48	210	½"	0.75
ENV-70100	3"-4"	88	270	2.5	88	250	1"	2.5
ENV-100150	4"-6"	90	155	2.5	88	210	½"	0.75
ENV-150200	6"-8"	150	204	2.5	138	250	1"	2.5
ENV-200-250	8"-10"	200	255	2.5	180	300	2"	4
ENV-250300	10"-12"	250	304	2.5	225	350	2"	6
ENV-300350	12"-14"	300	356	2.5	285	350	2"	8.5
ENV-400450	16"-18"	400	450	2.5	380	450	2"	4.2
ENV-500550	20"-22"	500	550	2.5	480	500	2"	5.4
ENV-600650	24"-26"	600	650	2.5	480	550	2"	6.5



Resistant to the environment, to temperatures from -40 to 70°C

MULTI SIZE SHORT PIPE PLUG

Obturbateur court 2.5 bars

These plugs are mainly used for sealing with sewer connections. The plugs are made from high quality rubber, and metal items from anticorrosion materials. Standard type series are manufactured in diameters from 50 to 300 mm.

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Total Length	Product Weigh
		(mm)	(mm)	(bar)	(mm)	(mm)	(kg)
ENV-50100	50-100	50	100	2.5	45	200	0.3
ENV-70150	70-150	70	150	2.5	65	250	0.4
ENV-100200	100-200	100	200	2.5	88	250	1
ENV-150300	150-300	150	300	2.5	140	350	1.6

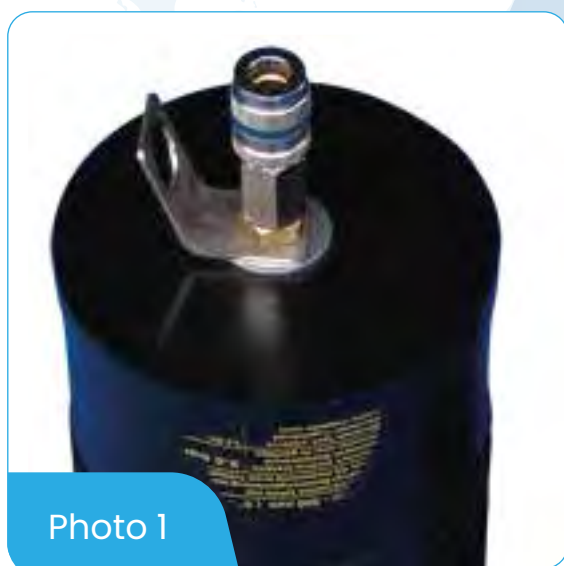


Photo 1



MULTI SIZE SHORT PIPE TEST PLUG

Obturbateur court à passage

These plugs are mainly used for sealing with sewer connections. They are also used in the test system and pipeline leak. The plgs are made from quality rubber, and metal items from anticorrosion materials. Standard type series are manufactured in diameters from 50 to 300 mm. They are used for testing sealing by air or water.

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Total Length	Bypass Diameter	Product Weigh
		(mm)	(mm)	(bar)	(mm)	(mm)	(inch)	(kg)
ENV-50100	50-100	50	120	2.5	48	150	¼"	1
ENV-100200	100-200	100	200	2.5	88	270	½"	1.2
ENV-150300	150-300	150	300	2.5	138	370	1"	2

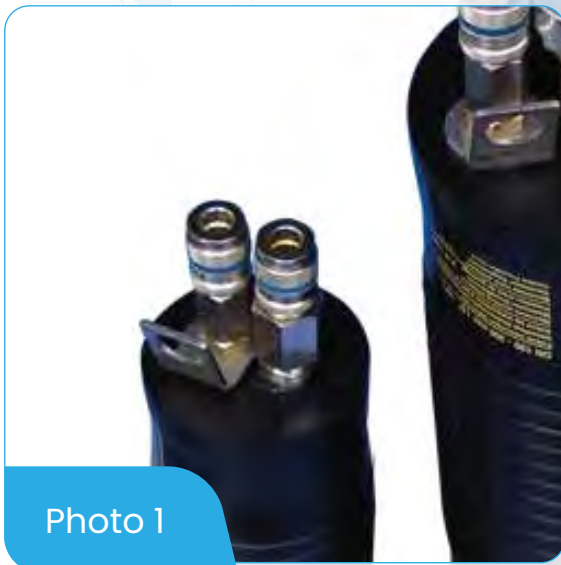


Photo 1

MULTI SIZE PIPE PLUG WITH METAL CORE AND LARGE BYPASS

Obturbateur à gros passage de 2 à 8 pouces

These plugs are used primarily in cases when you need to allocate plenty of water. Removal of provides a central part of the steel, which is made of stainless steel. Rubber textile covering put on this central part, and replaced if damaged. Standard typa series is produced with diameters ranging from 100 to 1200 mm. Maximum back pressure at mentioned pipe diameter is 0.7 bar. Backpressure values are valid in concrete pipes and properly strutted or supported configuration. There is possible to produce Multi size pipe plug with metal core with large bypass with custom technical needs.

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Total Length	Bypass Diameter	Product Weigh
		(mm)	(mm)	(bar)	(mm)	(mm)	(inch)	(kg)
ENV-100200	100-200	100	200	1.5	92	400	2"	4.5
ENV-200500	200-500	200	500	1.5	190	680	4"	11.7
ENV-300-600	300-600	300	600	1.5	280	680	4"	22
ENV-300750	300-750	300	750	1.5	280	750	4"	30
ENV-500800	500-800	500	800	1.5	440	680	6"	38
ENV-5001200	500-1200	500	1200	1.5	440	930	8"	50



MULTI SIZE PIPE PLUGS WITH BYPASS AND METAL CORE

Pneumatic plugs with threaded bypass used for repair and testing of sewage pipes without requiring them to turn off.

Pneumatic plugs are supplied with threaded bypass for sewage pipes made of reinforced rubber, the control panel (opening/closing) of pressure, drain valve, pressure gauge.

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Total Length	Bypass Diameter	Product Weigh
		(mm)	(mm)	(bar)	(mm)	(mm)	(inch)	(kg)
ENV-70150	70-150	70	150	1.5	68	400	1"	2.5
ENV-100150	100-150	100	150	1.5	85	260	2"	2.5
ENC-100200	100-200	100	200	1.5	92	400	1"	4.5
ENV-125200	125-200	125	200	1.5	115	270	2"	4.5
ENV-200-500	200-500	200	500	1.5	190	680	1"+2"	11.7
ENV-300600	300-600	300	600	1.5	270	680	1"+2"	20
ENV-300750	300-750	300	750	1.5	270	750	1"+2"	30
ENV-500800	500-800	500	800	1.5	440	680	2x1"+2"	38
ENV-5001200	500-1200	500	1200	1.5	440	980	2x1"+4"	50



Obturbateur gros passage corps métal

HIGH PRESSURE PIPE PLUG

They are used to seal the pipe in which the back pressure exceeds the working pressure range of standard plugs. Thanks to specially reinforced top and bottom end caps and aramid reached the reliability and safe operation at high pressures. The plugs are equipped with eyelets shall bolts and quick couplings for inflation/deflation.

Référence	ENV-5070	ENV-70100	ENV-100150	ENV-150500	ENV-200300	ENV-300400	ENV-500600
Plage d'utilisation (mm)	50 à 70	70 à 100	100 à 150	150 à 200	200 à 300	300 à 400	500 à 600
Pression de gonflage (bar)	6	6	6	6	6	6	6
Pression de test (bar)	7.8	7.8	7.8	7.8	7.8	7.8	7.8
Contre-pression (bar)	3	3	3	3	3	3	3
Diamètre dégonflé (mm)	47	67	96	135	190	290	450
Longueur du cylindre (mm)	340	330	510	550	580	730	1050
Longueur totale (mm)	390	380	570	610	640	790	1130
Poids (kg)	0.5	0.6	1.5	2.5	4.9	8.5	25

Si les obturateurs gonflables en caoutchouc simples ne peuvent pas être utilisés pour des contre-pression élevée, ces obturateurs gonflables en caoutchouc hautes pressions sont recommandées. Une pression de gonflage plus élevée est permise grâce à un renfort spécial en Kevlar. Les diamètres de cette nouvelle gamme couvrent du DN50 au DN600 mm .



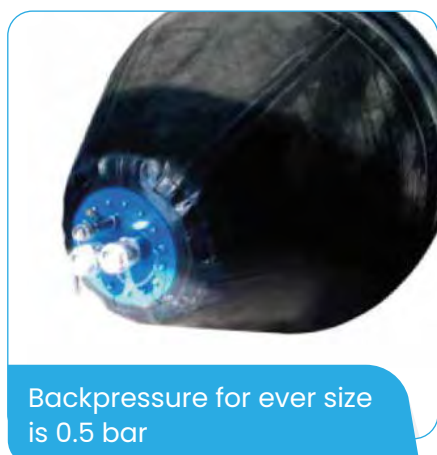
Backpressure for ever size is 0.5 bar

CONICAL SHRINKING PIPE PLUG

Obturateur Conique

Pipe plugs is brand new type of deafening rubber goods, based on the frameless type pneumatic pillows but with more flexible inflatable structure. That allows entering the plug through small opening hole are both vertical and horizontal. Such flexibility allows you to work with a wide range of pipes diameters.

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Weigh
		(mm)	(mm)	(bar)	(mm)	(kg)
ENV-702001	70-200	70	200	1.0	100/400	1.0
ENV-1004001	100-400	100	400	1.0	200/850	2.5
ENV-2006001	200-600	200	600	1.0	300/1000	6.0
ENV-3008001	300-800	300	800	1.0	400/1300	9.6
ENV-40010001	400-1000	400	1000	1.0	500/1600	14.2
ENV-50012001	500-1200	500	1200	1.0	600/1900	19.1
ENV-50014001	500-1400	500	1400	1.0	700/1900	29.1
ENV-50015001	500-1500	500	1500	1.0	750/2600	32.2
ENV-60016001	600-1600	600	1600	1.0	800/2700	35.3
ENV-8001800	800-1800	800	1800	1.0	900/3100	42.2
ENV-100022001	1000-2200	1000	2200	1.0	1100/3400	85.3
ENV-150028001	1500-2800	1500	2800	1.0	1400/3900	132.3
ENV-180032001	1800-3200	1800	3200	1.0	1600/4250	182.3
ENV-220036001	220-3600	2200	3600	1.0	1800/4500	220.35



Backpressure for ever size
is 0.5 bar

CONICAL SHRINKING PIPE PLUG WITH BYPASS

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Total Length	BY Pass	Product Weight
		(mm)	(mm)	(bar)	(mm)	(mm)	(kg)
Env-1004001	100-400	100	400	1.0	200/850	2.0	4.5
Env-2006001	200-600	200	600	1.0	300/1000	2.5	14.2
Env-3008001	300-800	300	800	1.0	400/1300	2.5	20.2
ENV-40010001	400-1000	400	1000	1.0	500/1600	2.5	26.3
ENV-50012001	500-1200	500	1200	1.0	600/1900	2.5	34.3
ENV-50014001	500-1400	500	1400	1.0	700/1900	2.5	46.2
ENV-50015001	500-1500	500	1500	1.0	750/2600	2.5	51.2
ENV-60016001	600-1600	600	1600	1.0	800/2700	2.5	54.2
ENV-8001800	800-1800	800	1800	1.0	900/3100	2.5	63.5
ENV-100022001	1000-2200	1000	2200	1.0	1100/3400	2.5	106.3
ENV-150028001	1500-2800	1500	2800	1.0	1400/3900	2.5	156.2
ENV-180032001	1800-3200	1800	3200	1.0	1600/4250	2.5	202.3
ENV-220036001	2200-3600	2200	3600	1.0	1800/4500	2.5	252.3

OVAL PIPE PLUG

Multi size oval pipe plugs. Available in three sizes of products with blocking.

These plgs are used to seal ovoid profiles. They can be used to produce the test seal. It is in the echo-shaped of the pipeline.

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Total Length	Product Weigh
		(mm)	(mm)	(bar)	(mm)	(mm)	(kg)
ENV-200300	200/300250/375300/450	200/300	300/450	1.5	180x280	750	9
ENV-300500	300/450350/525400/600	300/400	500/750	1.5	280x380	800	15
ENV-400600	400/600600/900	300/400	600/900	1.5	280x380	1000	25



Photo 1

FLEXIBLE OVAL PIPE TEST PLUG

Oval pipe test plugs. Available in three products as a by-pass channel to test the pipe or bypass flow.

These plugs are used to sealing ovoid profiles. They can be used to produce the test seal. It is the echoshaped of the pipeline that is using for large pipelines. Max Backpressure at mentioned pipe diameter is 0.5 bar. Backpressure values are valid in concrete pipes and properly strutted or supported configurations.



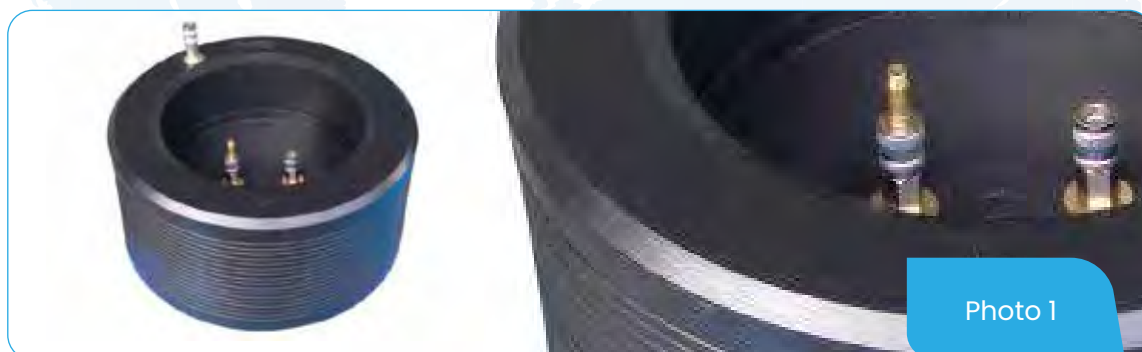
Photo 1

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Total Length	Bypass Diameter	Product Weight
		(mm)	(mm)	(bar)	(mm)	(mm)	(inch)	(mm)
ENV-200300	200/300250/375300/450	200/300	300/450	1.5	180X280	750	2"	11
ENV-300500	300/450350/525400/600	300/400	500/750	4.5	280X380	800	2x2"	21
ENV-400600	400/600600/900	300/400	600/900	1.5	280X380	1000	2x2"	30

LOW AIR TEST PIPE PLUG

Obturbateur de tests pour regards de 300 à 1100 mm

In testing using standard air-mines this stub, which is light and easy to manipulate with it. Accessories for use are the same as for standard plugs. Engineers can manufacture of other sizes and forms for custom shafts. Max. Backpressure at mentioned pipe diameter is 0.01 bar.



Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Total Length	Bypass Diameter	Product Weigh
		(mm)	(mm)	(bar)	(mm)	(mm)	(inch)	(kg)
ENV-300400	300-400	300	400	1.5	280	250	2x ¼"	2
ENV-400500	400-500	400	500	1.5	380	250	2x ¼"	3
ENV-500600	500-600	500	600	1.5	480	250	2x ¼"	4
ENV-600700	600-700	600	700	1.5	580	250	2x ¼"	5
ENV-700800	700-800	700	800	1.5	680	250	2x ¼"	6
ENV-800900	800-900	800	900	1.5	780	250	2x ¼"	7
ENV-900-1000	900-1000	900	1000	1.5	880	250	2x ¼"	8
ENV-10001100	1000-1100	1000	1100	1.5	980	250	2x ¼"	9

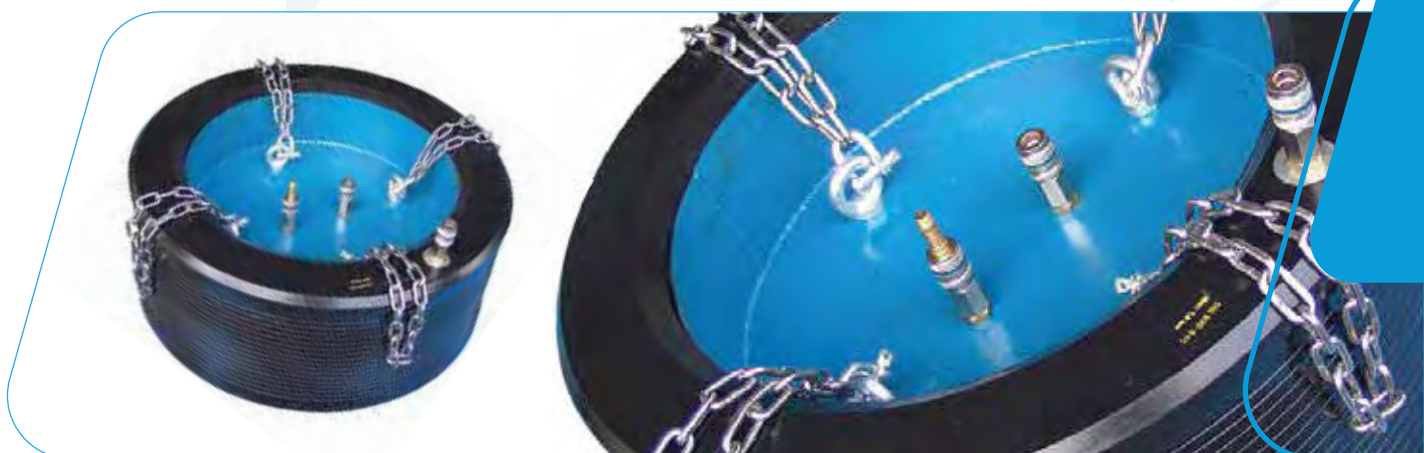
MANHOLE TEST PLUGS

Obturbateur de regard

The proposed test plug is ideal for testing manholes. A short length of the product in combination with low weight makes them easy to handle. To test the proposed air standard accessories that is compatible with other plugs.

Max. Back pressure at mentioned pipe diameter is 0.2 bar.

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Total Length	Bypass Diameter	Product Weigh
		(mm)	(mm)	(bar)	(mm)	(mm)	(inch)	(mm)
ENV-600650	600-650	600	650	1.5	580	250	2x ¼ "	5
ENV-800850	800-850	800	850	1.5	780	250	2x ¼ "	7
ENV-10001050	1000-1050	1000	1050	1.5	980	250	2x ¼ "	9
ENV-600650	600-650	600	650	1.5	580	250	2"	5.5
ENV-800850	800-850	800	850	1.5	780	250	2"	7.5
ENV-10001050	1000-1050	1000	1050	1.5	980	250	2"	9.5



SINGLE SIZE TEST PLUG WITH METAL CORE

Plug is designed to block the pipeline during the repair to the intense pressure. Spacers are used for more effective use. Working pressures up to 6 bar more.

Part Number	Nominal Size	Min. Pipe Diameter	Max. Pipe Diameter	Max. Working Pressure	Product Diameter	Product Total Length	Bypass Diameter	Product Weigh
		(mm)	(mm)	(bar)	(mm)	(mm)	(inch)	(kg)
ENV-200	200	190	210	6	185	110	1"	2.5
ENV-250	250	245	255	6	230	110	1"	3.5
ENV-300	300	290	305	6	280	110	2"	5
ENV-350	350	345	360	6	330	110	2"	6
ENV-400	400	390	405	6	380	110	2"	8
ENV-450	450	445	460	6	440	110	2"	10
ENV-500	500	495	505	6	485	160	2"	17
ENV-600	600	590	610	6	585	160	2"	20
ENV-700	700	690	710	6	685	160	2"	24



ENV-OINT TEST

Test ENV-oint par ENV-oint

For testing of ENV-oints in the pipeline

Drives it into the tube, each side become inflate and seal tightly to pipe. Then inflated with air or water, for checking the pipe on existence faults or cracks.

In the case when entrance hole of pipe is less than the diameter of the test tube it is possible to disassemble ENV-oint test on 3 or 4 separate parts and then mounted it inside the tube.



Photo 1

Part Number	Nominal Size	Product Diameter	Product Length	Max. Working Pressure
	(mm)	(mm)	(mm)	(bar)
ENV-200	100	80	380	2.5
ENV-200	200	180	380	2.5
ENV-300	300	280	380	2.5
ENV-400	400	380	380	2.5
ENV-500	500	480	380	2.5
ENV-600	600	580	380	2.5
ENV-700	700	680	380	2.5
ENV-800	800	780	380	2.5
ENV-900	900	880	380	2.5
ENV-1000	1000	980	380	2.5
ENV-1100	1100	1080	380	2.5
ENV-1200	1200	1180	380	2.5
ENV-1300	1300	1280	380	2.5
ENV-1400	1400	1380	380	2.5
ENV-1500	1500	1480	380	2.5
ENV-1600	1600	1580	380	2.5
ENV-1700	1700	1680	380	2.5
ENV-1800	1800	1780	380	2.5
ENV-1900	1900	1880	380	2.5
ENV-2000	2000	1980	380	2.5
ENV-2100	2100	2080	380	2.5
ENV-2200	2200	2180	380	2.5
ENV-2300	2300	2280	380	2.5
ENV-2400	2400	2380	380	2.5
ENV-2500	2500	2480	380	2.5
ENV-3000	3000	2980	380	2.5

BENDY PACKER PACKER DANGLES

Type 1

bendy repair packers can thanks to it is designs ; carry out repairs in the curved parts of the pipeline at an angle less than 45 degree. This kind of design and quality lateral packer provides a smooth of the repaired pipe-line without tubercles.



Type 1



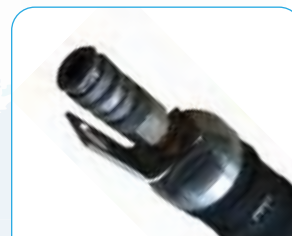
Type 1

Type 2

bendy packer type 2 is suitable for impassable and sharp angle more than 45 degree areas making it more stable when the packer inserting in the repair area. In this kind of design packer should be used with flexible push road which is placed inside rear face pf bendy packer



Type 2



Type 2

Part Number	Nominal Size	Cylinder Length	Min. Contact	Required Inflation Pressure	Product Diameter	Product Total Length	Product Weight	Type
		(mm)	(mm)	(bar)	(mm)	(mm)	(kg)	
ENV-50701	50-70	1250	1000	3	32	1350	0.75	1
ENV-70801	70-80	1250	1000	3	40	1350	2	1
ENV-1001251	100-125	1250	1000	3	51	1350	3	1
ENV-1501651	150-165	1250	1000	2	25	1350	5	1
ENV-1702201	170-200	1250	1000	2	80	1350	7	1
ENV-22525001	225-250	1250	1000	2	116	1350	9	1

Part Number	Nominal Size	Cylinder Length	Min. Contact	Required Inflation Pressure	Product Diameter	Product Total Length	Product Weight	Type
		(mm)	(mm)	(bar)	(mm)	(mm)	(kg)	
ENV-70801	70-80	1250	1000	3	40	1350	2	2
ENV-1001251	100-125	1250	1000	3	51	1350	3	2
ENV-1501651	150-165	1250	1000	2	65	1350	5	2
ENV-1702201	170-200	1250	1000	2	80	1350	7	2
ENV-225250001	225-250	1250	1000	2	116	1350	9	2

SHORT PACKER WITH METAL CORE AND CHASIS

Packer chassis court

Short packers have a replaceable double-layer rubber sleeve mounted on a PU tube

All other installed in a packer are made of corrosion resistant materials.

On one side of the packer three wheels are attached at an angle of 120° to prevent tipping over while transported along the pipeline.

The effective packer length is 600 mm therefore they are suitable for repair of pipeline joints or repair of shorter pipeline sections along with insertion of stainless steel shells.



Photo 1

Part Number	Nominal Size	Cylinder Length	Min. Contact	Required Inflation Pressure	Product Diameter	Product Total Length	Bypass Diameter	Product Weight
		(mm)	(mm)	(bar)	(mm)	(mm)	(mm)	(kg)
ENV-150200	150-200	780	580	2	110	1020	65	6.5
ENV-250300	250-300	780	600	2	190	1080	150	13
ENV-300400	300-400	800	525	1.5	240	1100	200	16
ENV-350450	350-450	800	550	1.5	285	1100	245	19
ENV-500600	500-600	900	450	1.5	445	1200	400	30

LATERAL PACKER

Packer latéral de 600 à 5000 mm (Longueur)

Lateral packers are suitable for repairs of pipes with smaller diameters, especially in house connection installations. These packers are rounded on both ends in order to simplify handling and slipping past bends. Ten sizes are available : for pipes of diameter from 25 till 600 mm.

Part Number	Nominal Size	Cylinder Length	Min. Contact	Reguired Inflation Pressure	Product Diameter	Product Total Length	Product Weight
		(mm)	(mm)	(bar)	(mm)	(mm)	(kg)
ENV-2535XX	25-30	600-5000	S.U-80	3	20	S.U+160	0.4
ENV-3550XX	35-50	600-5000	S.U-80	3	25	S.U+160	0.5
ENV-5070XX	50-70	600-5000	S.U-150	3	33	S.U+160	0.6
ENV-70100XX	70-100	600-5000	S.U-130	3	51	S.U+160	0.7
ENV80125XX	80-125	600-5000	S.U-150	3	51	S.U+160	0.7
ENV-100120XX	100-150	600-5000	S.U-200	2.5	35	S.U+160	1.5
ENV-150200XX	150-200	600-5000	S.U-200	2.5	80	S.U+160	1.7
ENV-150250XX	150-250	600-5000	S.U-200	2	116	S.U+160	1.7
ENV-200300XX	200-300	1000-5000	S.U-280	2	170	S.U+160	2.3
ENV-300400XX	300-400	1000-5000	S.U-280	1.5	231	S.U+160	4.2
ENV-400500XX	400-500	1000-5000	S.U-290	1	345	S.U+160	5.2
ENV-450-600XX	450-600	1000-5000	S.U-300	1	345	S.U+160	6.8



Photo 1

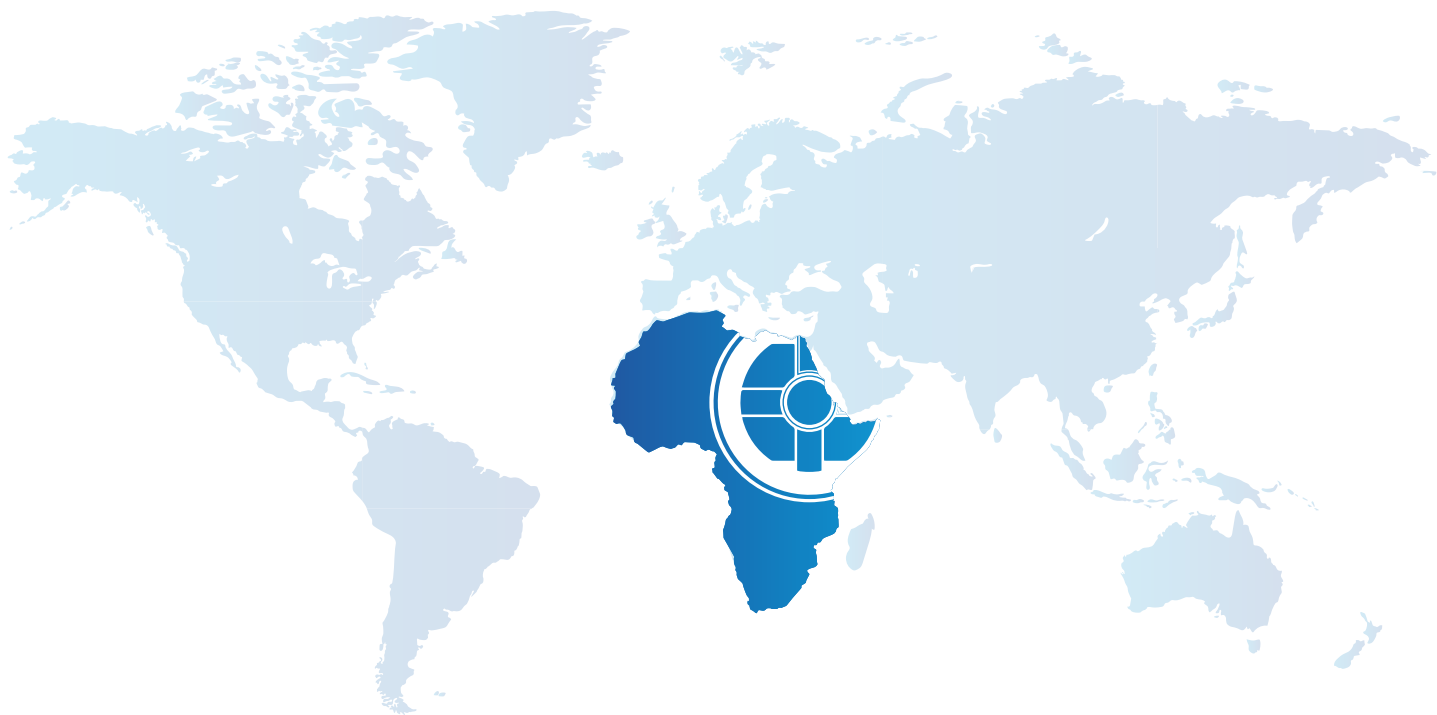
FLEXIBLE PACKER WITH BYPASS AND WHEELS

Packer creux à roulettes

Flexible packers have single ply of rubber textile covering, which in the end both have wheels placed at an angle of 120°. These rollers provide stability to the movement of the pipe. The design of these packers allows water flow during the repair. The active area of the length from 600 to 5000 mm. Since the design of these packers flexible and can be easily installed in the pipeline.

Part Number	Nominal Size	Cylinder Length	Min. Contact	Required Inflation Pressure	Product Diameter	Product Total Length	Bypass Diameter	Product Weight
		(mm)	(mm)	(bar)	(mm)	(mm)	(mm)	(kg)
ENV-100150XX	100-150	1000-50000	S.U-170	2.5	65	S.U+350	NA	1.7
ENV-150250XX	150-250	1000-50000	S.U-225	2	116	S.U+350	1"	3.3
ENV-200300XX	200-300	1000-50000	S.U-280	2	170	S.U+350	2"	5.4
ENV-300400XX	300-400	1000-50000	S.U-300	1.5	231	S.U+350	2"	7.3
ENV-400600XX	400-600	1000-50000	S.U-300	1	345	S.U+350	2"	11.6
ENV-600800XX	600-800	1000-50000	S.U-300	1	4440	S.U+350	2"	15.5





ENVIRMAT

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