

- **Clean transfer:** hose assemblies for highest media purity requirements
- ultra smooth lining of DuPont Teflon® PTFE
- flexible, homogeneous, kink resistant, pressure and vacuum resistant elastomer hose construction to DIN 26055-3/EN 16820
- FDA / USP Class VI conforming
- (EU) Nr. 10/2011, Nr. 1282/2011, Nr. 1183/2011, Nr. 202/2014 (EU), Nr. 1935/2004 and Nr. 2023/2006; Bed.Ggst V, 24.6.2013; LFGB
- as ELAPHARM (non electrically conductive) or ELAPHARM OHM (fully electrically conductive)
- nominal bore DN 13 – 50 mm
- temperature up to +150° C, vacuum 0,8 bar, PN 16

The homogeneous hose construction of ELAPHARM where all layers incl. the lining are permanently bonded to each other. This results in a good kink and vacuum resistance and assists durability and flexibility.

The FDA-conform PTFE liner is suitable for all commonly used media in the foodstuff, pharmaceutical and chemical industries. It is easy to clean and also suitable for highly viscous media.

There is a choice of fittings, e.g. **free of dead spaces/flared**, meaning the PTFE lining flared over ends, no entrapment.

Hose assembling to customer specification is done in-house by Elaflex, straight from the reel – for a fast delivery of your assemblies.

Hose Weight ≈kg/m	HOSE SIZE			Working Pressure bar	Test Pressure bar	max. Vacuum bar	Bending Radius mm	Reel Length ≈ m	PART NUMBER Type
	ID in.	ID mm	OD mm						
0,4	1/2"	13	23	16	25	0,8	110	40	EPH 13
0,5	5/8"	16	27						EPH 16
0,6	3/4"	19	31						EPH 19
0,9	1"	25	37						EPH 25
1,2	1 1/4"	32	44						EPH 32
1,3	1 1/2"	38	51						EPH 38
2,3	2"	50	66						EPH 50

ELAPHARM electrically isolating 'I', blue cover. Corresponds to DIN 26055-3/EN 16820, Type A. FDA conform. Homogeneous elastomer hose construction with smooth, white Teflon® PTFE liner.



Type EPH

- Lining : Teflon® PTFE white, permanently bonded with reinforcement, non electrically conductive, seamless, smooth, FDA conform*).
- Reinforcements : DN 13-19 stainless steel braids, no helix
DN 25-50 high-tensile, temperature resistant textile braids, stainless steel helix
- Cover : EPDM blue, satin finish, non electrically conductive, FDA conform*).

Application: Hose assemblies for use in the pharmaceutical and biotech industries, as well as for foodstuffs and chemicals.

Suitable for all commonly used media. Temperature range -30°C up to +150°C depending on medium, working pressure from -0,8 bar (vacuum) up to 16 bar.

Supplied in fitted lengths complete with crimped end fittings. Choice of connection types and mounting systems (see overleaf).

Marking on coupling ferrule (example):

ELAFLEX · Type · DIN · DN · PTFE · Serial Number · Month·Year · PT (bar)

Hose Marking: DN · Quarter-Year · Batch-No. and

ELAPHARM® · DIN 26055-3 · A:FDA · PTFE · SD · Isolating · 16/-0,8 bar · -30°C +150°C · ELAFLEX ·

ELAPHARM® OHM · DIN 26055-3 · A:FDA · PTFE · SD · Ω/T · 16/-0,8 bar · -30°C +150°C · ELAFLEX ·

Hose Weight ≈kg/m	HOSE SIZE			Working Pressure bar	Test Pressure bar	max. Vacuum bar	Bending Radius mm	Reel Length ≈ m	PART NUMBER Type
	ID in.	ID mm	OD mm						
0,4	1/2"	13	23	16	25	0,8	110	40	EPH-OHM 13 G
0,5	5/8"	16	27						EPH-OHM 16 G
0,6	3/4"	19	31						EPH-OHM 19 G
0,9	1"	25	37						EPH-OHM 25 G
1,2	1 1/4"	32	44						EPH-OHM 32 G
1,3	1 1/2"	38	51						EPH-OHM 38 G
2,3	2"	50	66						EPH-OHM 50 G

ELAPHARM OHM G electrically conductive 'Ω/T', light grey cover. Corresponds to DIN 26055-3 / EN 16820, Type A. FDA conform. Homogeneous elastomer hose construction with smooth, black Teflon® PTFE liner.



Type EPH-OHM G

Ω/T
DIN 26055-3

- Lining : Teflon® PTFE black, permanently bonded with reinforcement, electrically conductive, seamless, smooth, FDA conform*).
- Reinforcements : DN 13-19 stainless steel braids, no helix
DN 25-50 high-tensile, temperature resistant textile braids, stainless steel helix
- Cover : EPDM light grey with OHM conductive stripe, satin finish, electrically conductive. FDA conform*).

Also available on request: ELAPHARM OHM electrically conductive 'Ω/T' with **black cover**.

*) Lining and cover corresponds to FDA guideline 21 CFR 177.1550 and CFR 178.3297 as well as USP Class VI and fulfills the requirements of EU regulations No. 1935/2004 and No. 10/2011.

Clean Connection.

Elaflex supplies all ELAPHARM hose assemblies in fitted lengths, with crimped couplings.

- In your enquiry please provide us with the requested coupling type.

For ELAPHARM we offer among other the following coupling types with integrated hose tail.

Screw, flange and clamp connections to

DIN 32676 ('Triclamp')

DIN 11864 - 1/-2/-3 ('Aseptic')

DIN 11853 - 1/-2/-3 ('Hygiene')

DIN 11851 ('Foodstuff Thread')

EN 14420-7 ('Cam Locking Couplings')

Flanges e.g. EN 1092-1

Welding Nipples acc. DIN 11866

Other on request.

- In your enquiry please provide us with the requested mounting system.

For pharmaceuticals, biotech media and foodstuffs we suggest the following two systems.

Crimping 'free of dead spaces / flared'

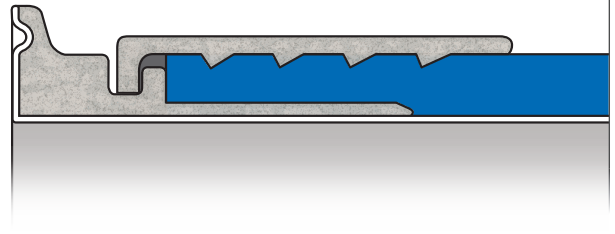
Crimped hose coupling, PTFE lining flared over ends. Patent pending for process. No entrapment, use for highest media purity requirements. Usually used with DIN 32676 (Triclamp), foodstuff thread DIN 11851 or flanged hose couplings.

Crimping 'gap minimised'

Crimped hose coupling with flush-mounted hose tail. No obstruction of inner cross-section, almost no gap or dead volume between lining and hose tail. For high purity requirements. Suitable for all coupling types.

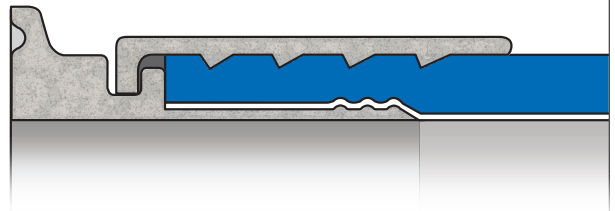


Crimping
'free of dead spaces / flared'

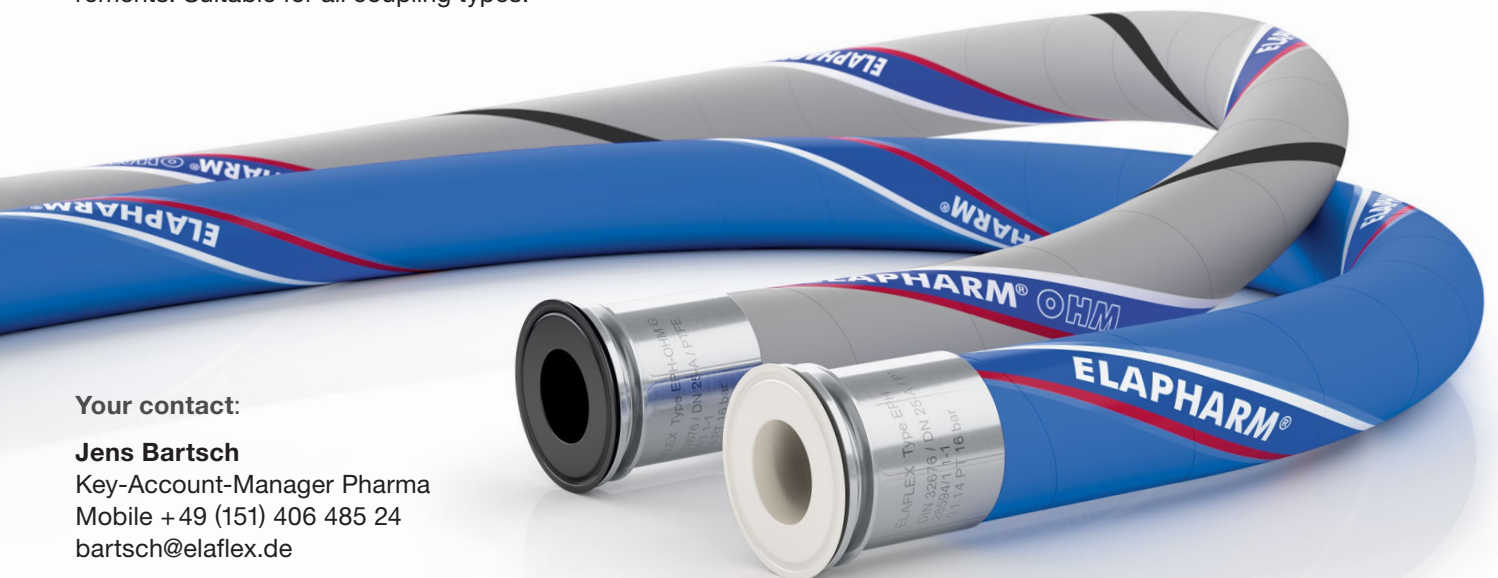


Materials: coupling with hose tail stainless steel 1.4404, crimping ferrule stainless steel 1.4301

Crimping
'gap minimised'



Materials: coupling with hose tail e.g. stainless steel 1.4404, crimping ferrule stainless steel 1.4301, surface finish Ra < 0,8 µm



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