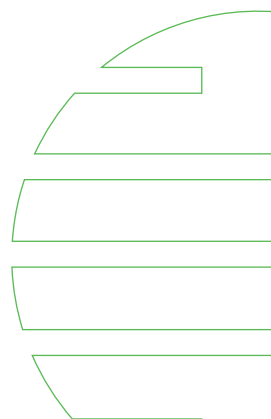


AVILOC®
THE PERFECT HOSE CONNECTION



**AVILOC® UNIQUE, REUSABLE HOSE CONNECTION.
DEVELOPED FOR THE HIGHEST DEMANDS OF THE
PHARMACEUTICAL AND BIOTECHNICAL INDUSTRY.**

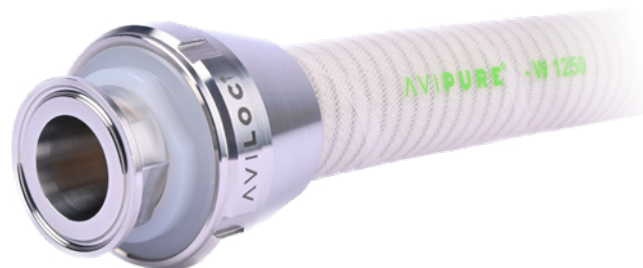




AVILOC® - HOSE CONNECTIONS
**EXCELLENT CONNECTION FOR AVIPURE® - R,
AVIPURE® - W AND AVIPURE® - WT HOSES**

AVILOC® is a reusable hose fitting of the highest quality. AVILOC® is available with weld-on ends, Triclamp or other connections. They are also available in ISO, DIN and ASME-BPE standards.

The only wetted AVILOC® component, is made entirely of stainless steel 1.4404. The clamping sleeve is made of autoclavable PVDF and adapts to the different wall thicknesses of the hoses.



WHY AVILOC®?
FEATURES AND ADVANTAGES:

- Developed by avintos AG
- Assembly can take place at the customer's site
- 100% reusable
- Hose tolerances are compensated by the PVDF clamping sleeve
- Unique spring system compensates thermal deformation of the hose and supports constant hose compression
- The PVDF threaded ring is screwed to the metal components and prevents the thread from jamming
- No lubricants are used
- Both the threaded ring and the clamping sleeve are made of PVDF - The PVDF parts act as heat barrier during steam sterilization
- The connection can be assembled by hand - Only a standard hook spanner is used for final assembly
- The entire coupling is autoclavable and inline sterilizable (SIP)
- All medium wetted AVILOC® hose couplings are supplied with material certificates according to EN10204 3.1
- Laser marking of the hose connection

SPECIFICATIONS:

APPLICABLE STANDARDS:

Triclamp according to DIN32676 (see table)

MATERIALS:

Hose connector: 1.4404 (EN10088)
Other materials on request
Screwing nut 1.4301 (EN10088)
Threaded ring and clamping sleeve PVDF

PERMISSIBLE STERILIZATION TEMPERATURE:

max. 150 °C
(depending on hose material)

SURFACE FINISH IN CONTACT WITH MEDIUM:

metal bright Ra < 0.4 µm

MARKING:

Manufacturer's mark, dimension, material no., heat number

CERTIFICATE:

Material certificate according to EN 10204-3.1

OPTION:

Hose connection electropolished on request



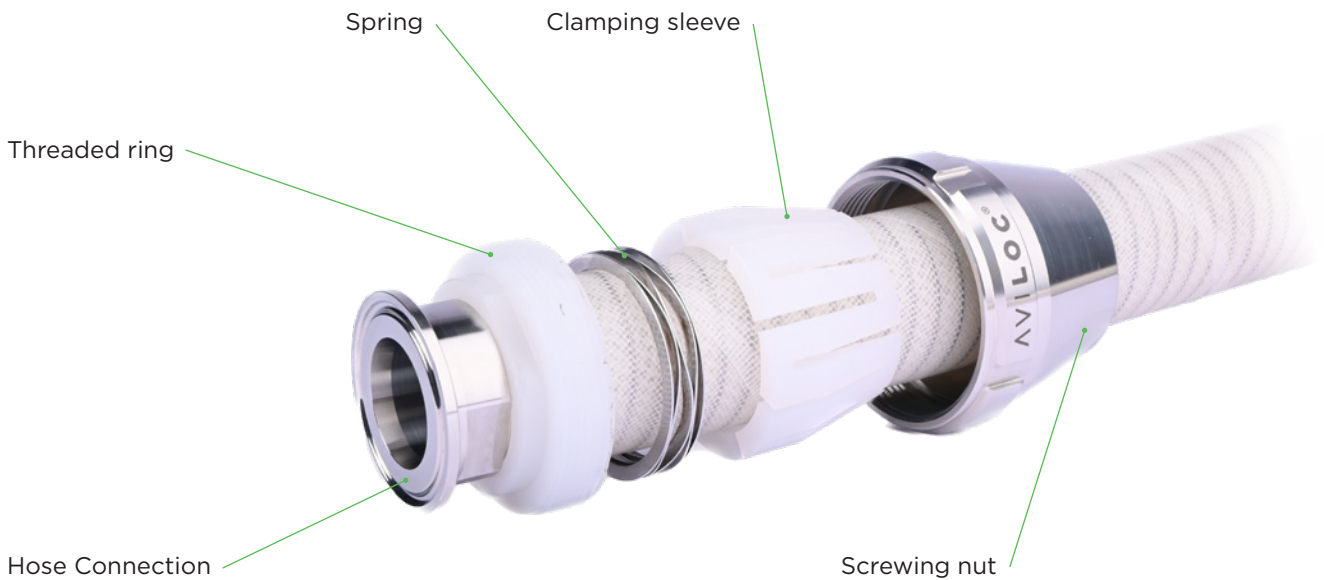
**SELECTION TABLE AVILOC® WITH TRICLAMP CONNECTION
(CONNECTION / HOSE TYPE)**

TYPE	NORM	TC-SIZE	LENGTH	ARTICLE-NUMBER	PIPE NORM	HOSE TYPE	HOSE ID
		MM	MM				MM
AVILOC®	DIN 6	25	-	on request	DIN 11866-A	AVIPURE-R 250	6.4
AVILOC®	ISO 8	25	58	AVLCR0375AI0250AO	DIN 11866-B	AVIPURE-R 375	9.5
AVILOC®	ISO 10	25	58	AVLCR0500AI0250AO	DIN 11866-B	AVIPURE-R 500	12.7
AVILOC®	ISO 15	50.5	75	AVLCR0750AI0505AO	DIN 11866-B	AVIPURE-R 750	19.1
AVILOC®	ISO 20	50.5	75	AVLCR1000AI0505AO	DIN 11866-B	AVIPURE-R 1000	25.4
AVILOC®	¼"	25	-	on request	DIN 11866-C	AVIPURE-R 250	6.4
AVILOC®	⅜"	25	58	AVLCR0375AO0250AO	DIN 11866-C	AVIPURE-R 375	9.5
AVILOC®	½"	25	58	AVLCR0500AO0250AO	DIN 11866-C	AVIPURE-R 500	12.7
AVILOC®	¾"	25	75	AVLCR0750AO0250AO	DIN 11866-C	AVIPURE-R 750	19.1
AVILOC®	1"	50.5	75	AVLCR1000AO0505AO	DIN 11866-C	AVIPURE-R 1000	25.4
AVILOC®	ISO 10	25	58	AVLCW0500AI0250AO	DIN 11866-B	AVIPURE-W/WT 500	12.7
AVILOC®	ISO 15	50.5	75	AVLCW0750AI0505AO	DIN 11866-B	AVIPURE-W/WT 750	19.1
AVILOC®	ISO 20	50.5	75	AVLCW1000AI0505AO	DIN 11866-B	AVIPURE-W/WT 1000	25.4
AVILOC®	ISO 25	50.5	78	AVLCW1250AI0505AO	DIN 11866-B	AVIPURE-W/WT 1250	31.8
AVILOC®	ISO 32	64	78	AVLCW1500AI0640AO	DIN 11866-B	AVIPURE-W/WT 1500	38.1
AVILOC®	ISO 40	64	95	AVLCW2000AI0640AO	DIN 11866-B	AVIPURE-W/WT 2000	50.8
AVILOC®	½"	25	58	AVLCW0500AO0250AO	DIN 11866-C	AVIPURE-W/WT 500	12.7
AVILOC®	¾"	25	75	AVLCW0750AO0250AO	DIN 11866-C	AVIPURE-W/WT 750	19.1
AVILOC®	1"	50.5	75	AVLCW1000AO0505AO	DIN 11866-C	AVIPURE-W/WT 1000	25.4
AVILOC®	1 ½"	50.5	78	AVLCW1500AO0505AO	DIN 11866-C	AVIPURE-W/WT 1500	38.1
AVILOC®	2"	64	95	AVLCW2000AO0640AO	DIN 11866-C	AVIPURE-W/WT 2000	50.8
AVILOC®	2 ½"	77.5	-	on request	DIN 11866-C	-	63.5
AVILOC®	3"	91	-	on request	DIN 11866-C	-	76.2

Note: For customized hoses, the pressure resistance and correct assembly of the respective hoses must be taken into account.



EASY ASSEMBLY: QUICK INSTRUCTION GUIDE



STEP 1:

Remove the screwing nut and the clamping sleeve and pass the hose through. Push the hose over the hose barb until it reaches the stop of the threaded ring. Make sure that the spring is placed in the corresponding groove.

STEP 2:

Press the clamping sleeve against the spring and screw the union nut onto the PVDF threaded ring. First tighten the nut by hand. Be careful that the threads do not cant.

STEP 3:

Use a standard hook spanner to tighten the screwing nut. Counter the threaded ring with an open-ended wrench to prevent it from twisting.

* Detailed assembly instructions for the AVILOC® available on request.