CODAN

CYTO®

Safe preparation and administration of cytotoxic drugs and other highly potent medicines

The decisive connection

CODAN

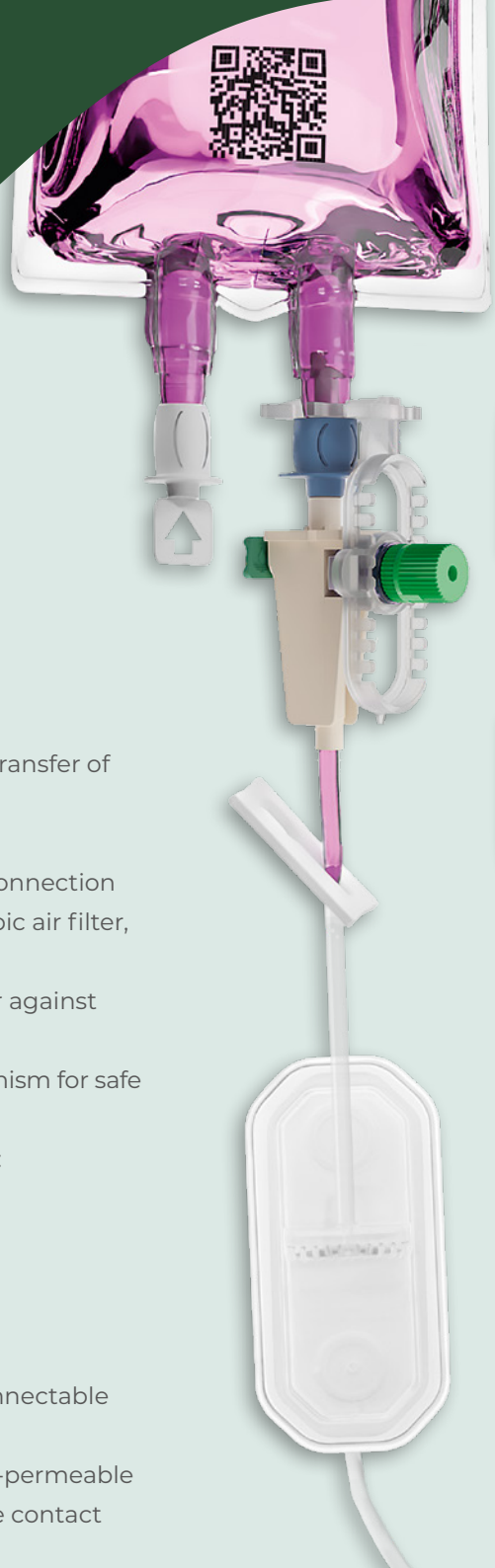
CYTO®

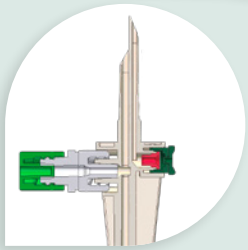
The Connect Z® and Cyto-Ad-Wing Z® systems have been specifically developed to support the reliable and safe preparation and administration of cytotoxic drugs and highly potent medicines.

Connect Z®

Connect Z® enables the needle-free preparation and transfer of medicines without leakage or contamination.

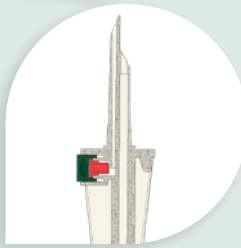
- Special spike design for easy insertion and secure connection
- Sterile venting during administration via hydrophobic air filter, e.g. for monoclonal antibodies
- Integrated CODAN Check Valve protecting the filter against moisture and filter blockage
- Needle-free mixing adapter with open-close mechanism for safe withdrawal and addition of fluids
- Modular options for different therapy requirements:
  - 0,2 µm I.V.STAR® infusion filter
  - PVC tubing (TOTM) or PVC-free (green line®)
  - Light protection systems:
    - LIGHT-PROTECTED (white, 290–900 nm)
    - LIGHT-SAFE™ (yellow, 290–450 nm)
- ONCE-LOCK 2 Adapter for a permanent, non-disconnectable connection to Cyto-Ad-Wing Z®
- FlowStop protective cap with hydrophobic filter, air-permeable during priming and stopping fluid upon membrane contact



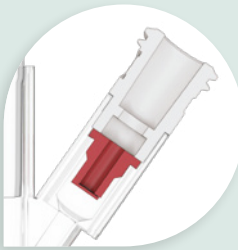


Connect Z® spike
Spike with hydrophobic air filter, integrated CODAN Check Valve and needle-free mixing adapter.

Connect Z® Clip universal
For a firm and secure connection between the secondary line and the infusion bag.



V86
Spike with hydrophobic air filter and integrated CODAN Check Valve.



Female Luer-Lock Adapter
Integrated CODAN Check Valves help prevent leakage, retrograde infusion and drug interaction.

Connect Z® Clip universal

The clip provides a firm and secure connection between the secondary line and the infusion bag.

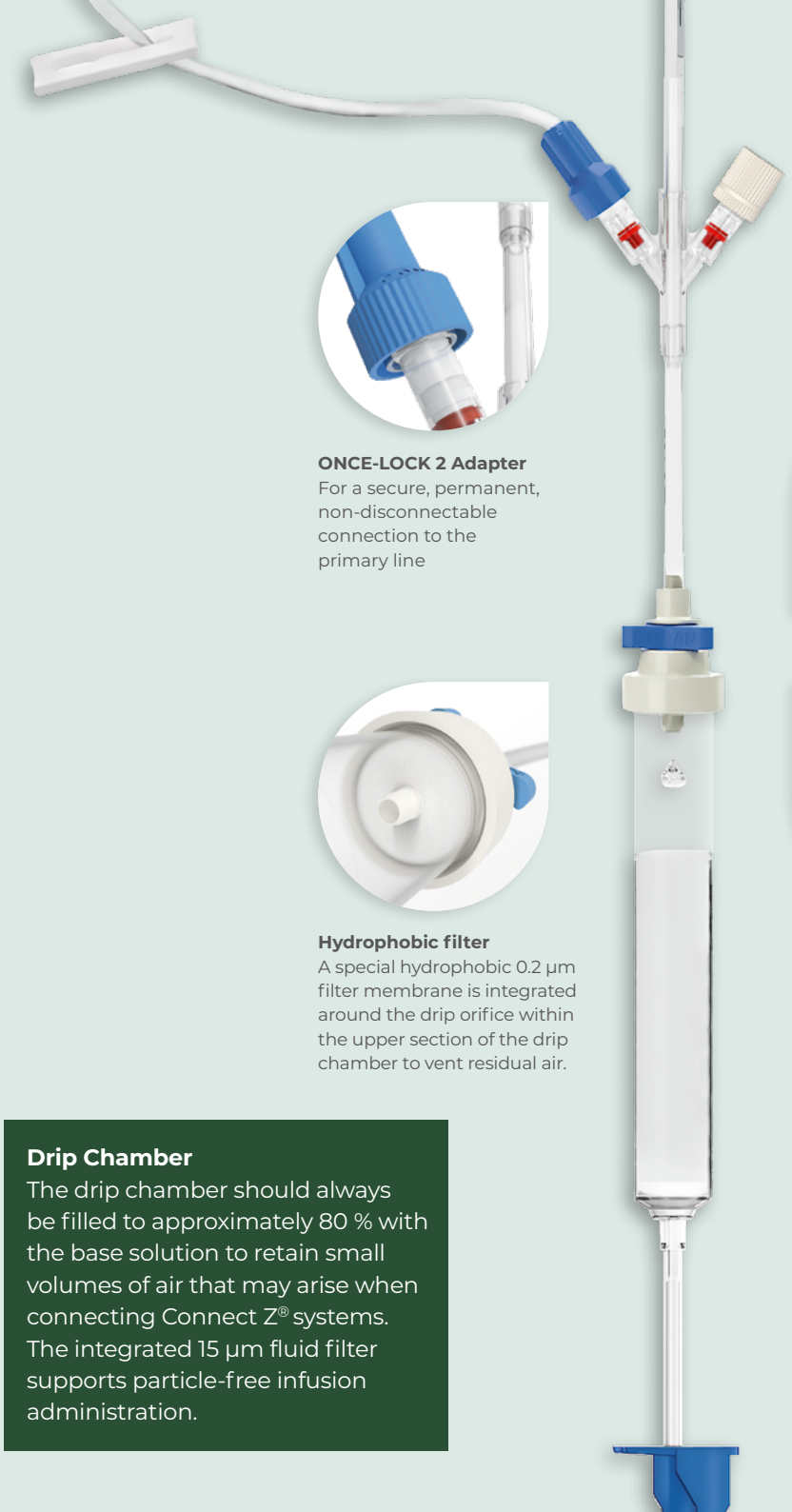
- Prevents accidental loosening or disconnection
- Compatible with a variety of infusion bags
- Ideal for transport and handling (e.g. pneumatic tube systems)
- Flexible positioning while maintaining access to the needle-free mixing adapter
- Helps reduce unintended medication loss

Cyto-Ad-Wing Z®

Safety by design

Cyto-Ad-Wing Z® systems are the central component for the safe, low-risk and complete administration of cytotoxic drugs and other highly potent medicines.

- Female Luer-Lock adapters with integrated CODAN Check Valves prevent backflow, drug interaction and leakage
- Large inline drip chamber with a 15 µm fluid filter
- The Wing-Valve enables simple venting and de-airing, allowing the drip chamber filling level to be adjusted at any time
- No manual squeezing of the drip chamber required, helping to avoid potential contamination from the flush solution
- Ideal for complex therapy regimens
- Versions available with up to six connection ports for secondary lines
- Complete medication administration with no clinically relevant loss
- Aerosol retention helps increase protection for staff and the surrounding environment
- Available in PVC, PVC-free (green line®) and light-protected versions
- FlowStop protective cap with hydrophobic filter, air-permeable during priming and stopping fluid upon membrane contact



ONCE-LOCK 2 Adapter
For a secure, permanent, non-disconnectable connection to the primary line

Wing-Valve open

Hydrophobic filter
A special hydrophobic 0.2 µm filter membrane is integrated around the drip orifice within the upper section of the drip chamber to vent residual air.

Wing-Valve closed

Wing-Valve
Simplified system priming and venting - manual pumping of the drip chamber is not required, improving ease of use.

Drip Chamber
The drip chamber should always be filled to approximately 80 % with the base solution to retain small volumes of air that may arise when connecting Connect Z® systems. The integrated 15 µm fluid filter supports particle-free infusion administration.

A fully closed system

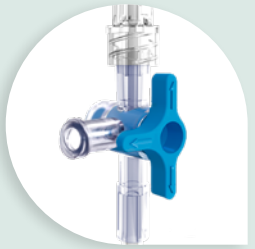
From needle-free preparation with Connect Z® to safe administration via Cyto-Ad-Wing Z® systems, a continuous process chain is established that combines safety, efficiency and standardisation.

Compatibility with infusion pumps

Cyto-Ad-Wing Z® is suitable for both gravity administration and use with volumetric infusion pumps (e.g. CODAN A717V Plus). It is compatible with systems using a standard tubing segment of 3.0 / 4.1 mm (ID/OD).

The following pump-specific IVIP® infusion systems are also available:

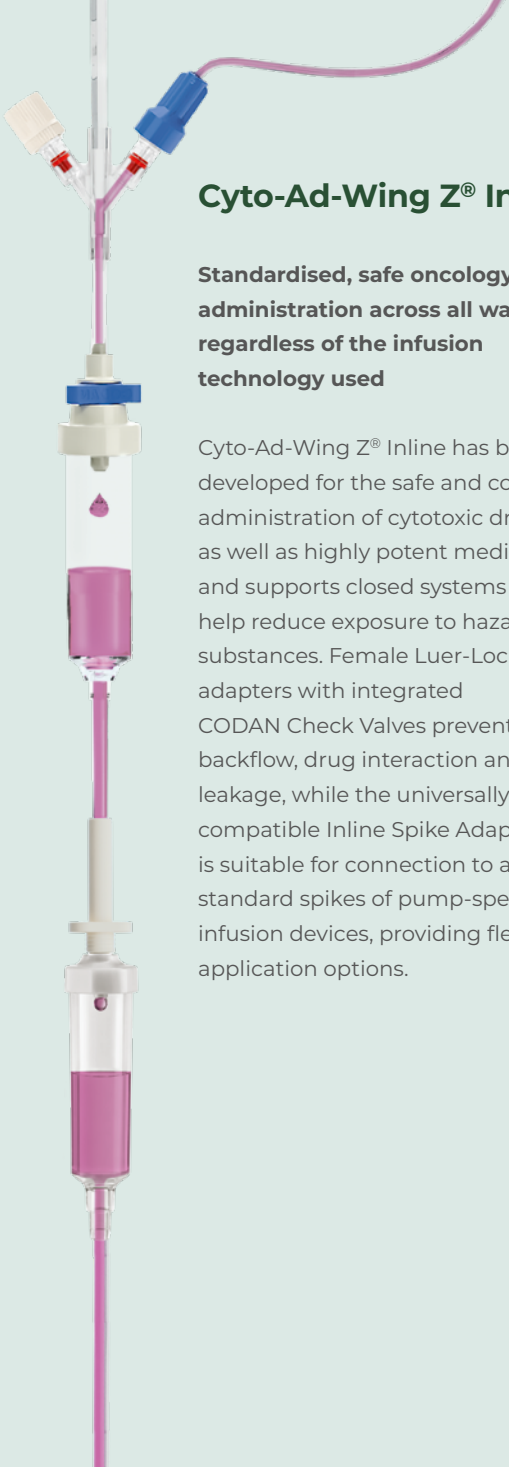
- **IVIP® A2 Cyto-Ad-Wing Z® Sets**
  With integrated anti-free-flow clamp, designed for the arcomed volumed® µVP7000
- **IVIP® 708/718 Cyto-Ad-Wing Z® Sets**
  With integrated anti-free-flow clamp, optimised for the CODAN A718V Plus



3-Way stopcock
Safe, patient-near medication administration via Female Luer-Lock connection, optionally available with an integrated needle-free access port

Rotating Male Luer-Lock Adapter
Male Luer-Lock adapter with SELF-LOCK function for a secure and reliable connection to the catheter or patient line

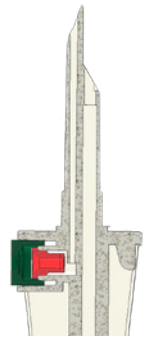
FlowStop protective cap
Simple and safe venting without leakage - the hydrophobic filter allows air to escape while retaining fluid.



Cyto-Ad-Wing Z® Inline

Standardised, safe oncology administration across all wards, regardless of the infusion technology used

Cyto-Ad-Wing Z® Inline has been developed for the safe and complete administration of cytotoxic drugs as well as highly potent medicines and supports closed systems to help reduce exposure to hazardous substances. Female Luer-Lock adapters with integrated CODAN Check Valves prevent backflow, drug interaction and leakage, while the universally compatible Inline Spike Adapter is suitable for connection to all standard spikes of pump-specific infusion devices, providing flexible application options.



◀ V86

With an integrated air vent filter and an additional CODAN Check Valve, protecting the filter from moisture that may descend from the container.

Wing-Valve ▲

The Wing-Valve located at the top of the drip chamber is used for priming, filling, simple venting and de-airing of the system during administration. During administration, air is collected in the drip chamber, causing the fluid level to decrease. In order to restore the fluid level, the drip chamber can be refilled to its normal level by squeezing the wings of the Wing-Valve.

◀ Hydrophobic Filter

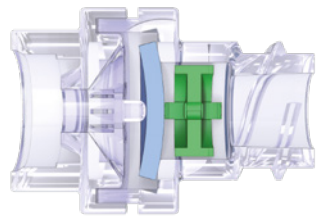
A hydrophobic 0.2 µm filter membrane is integrated into the upper section of the Wing-Valve drip chamber.

◀ ONCE-LOCK 2 Adapter

Once connected to the primary line,
the ONCE-LOCK 2 Adapter cannot be disconnected,
helping to prevent potential contamination.
This supports the safe administration of medication.

Needle-Free Mixing Adapter ▶

The special mixing adapter of the Connect Z® spike is designed so that the valve is opened in both directions by the syringe's Luer cone. Fluid can be withdrawn as well as added. Once the syringe is removed, the connection is automatically and immediately sealed securely again.



▲ Rotating Male Luer-Lock Adapter

Male Luer-Lock adapter with rotating collar and SELF-LOCK function for a secure and reliable connection to the catheter or patient line

CODAN Worldwide

CODAN is known internationally as a manufacturer and supplier of medical transfer systems. The CODAN Companies have more than 1500 employees around the world.

The name CODAN is synonymous with reliability, quality and precision based on the know-how and experience gained from more than 60 years of research and development. Company-owned production facilities and sales companies around the world are a guarantee for efficient production, a tight-knit sales network and a first-class service for customers in the healthcare sector.

CODAN Product range

- Infusion sets
- Transfusion sets
- Extension sets & Manifold connectors
- Infusion & Transfusion accessories
- Infusion filters & Filter systems
- Neonatology & Paediatrics products
- Withdrawal, Preparation & Administration systems
- CODAN CYTO®
- Chemoprotect® products
- Urology & Gynaecology products
- Single use syringes
- Invasive Blood Pressure Monitoring
- Infusion Technology Solutions
- Volumetric & Syringe pumps
- Software
- CODAN COMPONENTS

CODAN Companies

CODAN Medizinische Geräte GmbH · Deutschland
CODAN pvb Critical Care GmbH · Deutschland
CODAN pvb Medical GmbH · Deutschland
CODAN 11, S.A. · Portugal
CODAN US Corporation · USA
CODAN Inc. · USA
CODAN NORGE AS · Norge
CODAN TRIPLUS AB · Sverige
CODAN Limited · United Kingdom
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CODAN Medical AG · Schweiz
CODAN ARGUS AG · Schweiz
arcomed AG · Schweiz
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CODAN Medical GmbH · Österreich
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CODAN DEHA ApS · Danmark
CODAN MEDITECH s.r.o. · Česká republika
CODAN AUSTRALIA Pty Ltd · Australia
CODAN NEW ZEALAND Limited · New Zealand

Compliance of the established quality management systems with the provisions of EN ISO 13485, the Council Directive 93/42/EEC and/or Regulation (EU) 2017/745 has been certified by the relevant, competent notified bodies:

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CODAN pvb Critical Care GmbH
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94.3008.20 / 2026-09

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