

## Industrial Hose Specification

**Canwell International** has 4 major hose categories applicable to different industrial environment, that are **CANFLEX-P**, **CANFLEX-N**, **CANFLEX-E** and **CANFLEX-X**.

- CANFLEX-P**

**Features:**

**CANFLEX-P** is TPU covered heavy-duty hose with through-the-weave technology. The hose diameter is from 2" up to 14", and working pressure range is from 8bar up to 28bar, corresponding burst pressure is from 24bar up to 84bar. Our hose has smooth surface inside to ensure less pressure loss during long distance liquid transfer, and outer coating is capable to against abrasion under tough wild environment.

Temperature Range: -45°C to 75°C

Standard Length: 50m, 100m and 200m

Color: Black, red and other colors as customer requests

Application: Liquid material like water, slurry, manure and other industrial liquid.

**Tech Sheet**

ID (mm)	Type	W.P. (bar)	B.P. (bar)	Wall Thickness (mm)	Unit Weight KG/m
51	Ø50/10	10	30	2.1	0.55
	Ø50/16	16	48	2.3	0.65
76	Ø80/10	10	30	2.4	0.80
	Ø80/16	16	48	2.6	1.25
102	Ø100/10	10	30	2.5	1.20
	Ø100/16	16	48	2.65	1.45
	Ø100/28	28	84	2.8	1.55
127	Ø125/16	16	48	3.0	2.10
152	Ø150/10	10	30	3.2	2.40
	Ø150/16	16	48	3.5	2.60
	Ø150/28	28	84	4.5	3.20
203	Ø200/13	13	39	4.0	3.80
254	Ø250/13	13	39	4.5	4.30
305	Ø300/10	10	30	4.4	4.80
406	Ø400/8	8	24	4.4	6.00

\*The wall thickness and unit weight in the tech sheet is for reference only.

\*The actual wall thickness and unit weight may be little variant from the value in the tech sheet

• **CANFLEX-N**

**Features:**

**CANFLEX-N** is Nitrile/PVC blend covered heavy-duty hose with through-the-weave technology. The hose diameter is from 2" up to 14", and working pressure range is from 8bar up to 28bar, corresponding burst pressure is from 24bar up to 84bar. This type hose is economic choice when customer wants to use hose under tough environment but with less investment.

Temperature Range: -15°C to 55°C

Standard Length: 50m, 100m and 200m

Color: Black

Application: Liquid material like water, slurry, manure and other industrial liquid.

**Tech Sheet**

ID (mm)	Type	W.P. (bar)	B.P. (bar)	Wall Thickness (mm)	Unit Weight KG/m
51	Ø50/10	10	30	2.1	0.60
	Ø50/16	16	48	2.3	0.70
76	Ø80/10	10	30	2.4	0.91
	Ø80/16	16	48	2.6	1.38
102	Ø100/10	10	30	2.5	1.33
	Ø100/16	16	48	2.65	1.60
	Ø100/28	28	84	2.8	1.70
127	Ø125/16	16	48	3.0	2.31
152	Ø150/10	10	30	3.2	2.65
	Ø150/16	16	48	3.5	2.75
	Ø150/28	28	84	4.5	3.50
203	Ø200/13	13	39	4.0	4.20
254	Ø250/13	13	39	4.5	4.80
305	Ø300/10	10	30	4.4	5.30
406	Ø400/8	8	24	4.4	6.60

• **CANFLEX-E**

**Features:**

**CANFLEX-E** is PVC covered hose with through-the-weave technology. The hose diameter is from 2” up to 12”, and working pressure range is from 8bar up to 16bar, corresponding burst pressure is from 24bar up to 48bar. This type hose is most economic choice when customer has limit budget but want to get similar hose function as CANFLEX-P and CANFLEX-N.

Temperature Range: -10°C to 45°C

Standard Length: 50m, 100m and 200m

Color: Black, red, blue and other colors as customer requests

Application: Liquid material like water, slurry, manure.

**Tech Sheet**

ID (mm)	Type	W.P. (bar)	B.P. (bar)	Wall Thickness (mm)	Unit Weight KG/m
51	Ø50/10	10	30	2.3	0.65
	Ø50/16	16	48	2.4	0.75
76	Ø80/10	10	30	2.5	0.90
	Ø80/16	16	48	2.6	1.35
102	Ø100/10	10	30	2.7	1.30
	Ø100/16	16	48	2.8	1.55
127	Ø125/16	16	48	3.2	2.30
152	Ø150/10	10	30	3.5	2.55
	Ø150/16	16	48	3.6	2.80
203	Ø200/13	13	39	4.2	3.95
254	Ø250/13	13	39	4.8	4.60
305	Ø300/10	10	30	5.0	5.20

- CANFLEX-X**

**Features:**

**CANFLEX-X** has 2 types of manufacturing methods, which are through-the-weave with polyester jacket, AKA **CANFLEX-X40** and 3-layer lamination with the jacket of aramid fiber (Kevlar®), AKA **CANFLEX-X50**. These hoses are widely applied to oil/gas industry for extreme pressure load up to B.P. 150bars. The diameter of hose now is 6” only, with B.P 120bars (**CANFLEX-X40**) and B.P. 150bars (**CANFLEX-X50**).

Lining and Cover: TPU

Temperature Range: -40°C to 75°C

Standard Length: 50m, 100m and 200m

Color: Black, red and other colors as customer requests

Application: Water, oil, slurry, manure and chemical liquid.

**Tech Sheet**

ID (mm)	Type	W.P. (bar)	B.P. (bar)	Wall Thickness (mm)	Unit Weight KG/m
152	CANFLEX-X40	40	120	6.0	4.00
	CANFLEX-X50	50	150	3.5	2.80