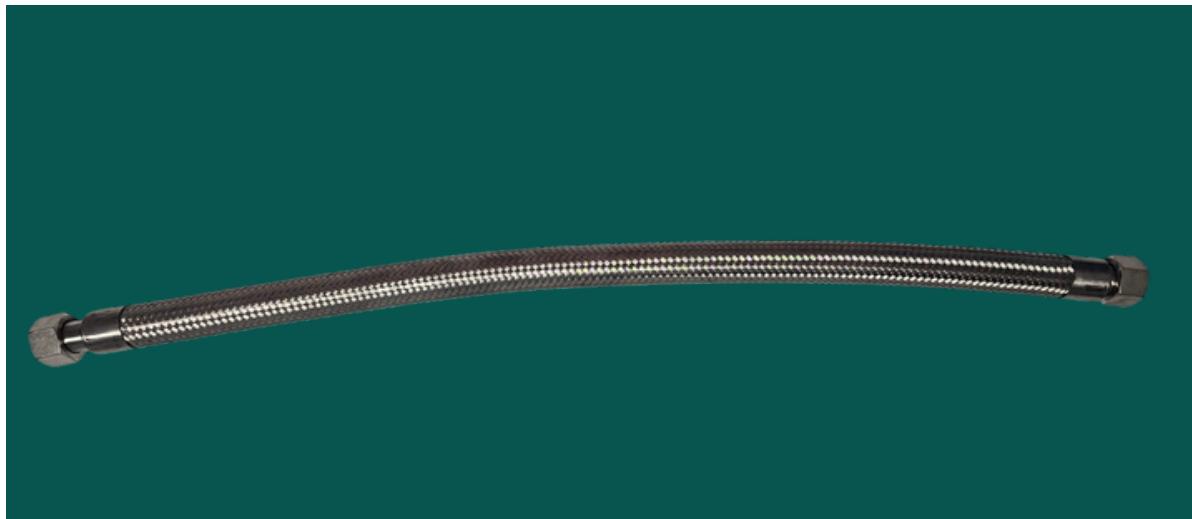


# 316 Stainless Steel Corrugated Braided Hose



The 316 Stainless Steel Corrugated Hose is engineered for high performance in HVAC mechanical systems, providing exceptional flexibility, durability, and resistance to corrosion. Designed to handle temperature extremes, vibration, and misalignment, it ensures reliable performance in demanding heating, ventilation, and air conditioning applications.

## APPLICATION

Chilled water systems | Hot water systems | Fan coil and AHU connections

## Features

High-grade 316 stainless steel for superior corrosion resistance

Corrugated design provides excellent flexibility and ease of installation

Vibration absorption reduces mechanical stress on connected equipment

Withstands moderate to high operating pressures, depending on size and braid reinforcement

Available in multiple diameters and customisable lengths for project-specific needs

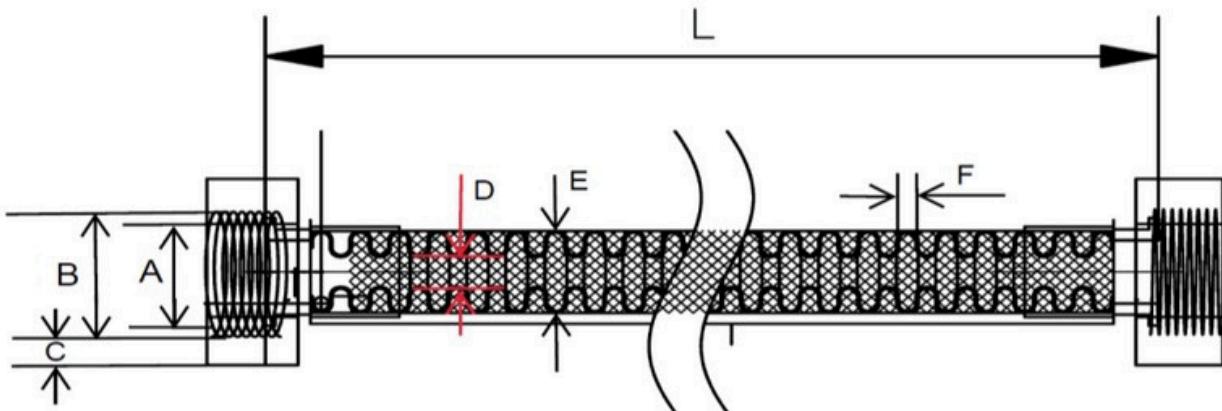


For more information on this product scan the QR code or visit [hydroflow.co.nz](http://hydroflow.co.nz)



## Performance Data

DN (mm)	Corrugated Pipe				Corrugated Pipe+Braided	Bending Radius (mm)		Single Maximum Length (M)	Braided Sleeve Structure	Working Pressure (BAR)		Temperature Rating at Working Pressure
	Inner Diameter (mm)	Outer Diameter (mm)	Wave Distance (mm)	Wall Thickness (mm)		Outer Diameter (mm)	Static	Dynamic		Strand Number * Strand Count * Diameter	Corrugated Pipe	Corrugated Pipe + 1 Layer Braided Sleeve
DN15	15 ± 0.55	22 ± 0.6	4 ± 0.3	0.28	23 ± 0.6	120	270	4.5M	36*9*0.3	0.6	40	≤500°C
DN20	20 ± 0.65	27.7 ± 0.6	4± 0.3	0.28	29 ± 0.6	160	360	4.5M	36*9*0.3	0.6	40	≤500°C
DN25	25 ± 0.65	32.5 ± 1	5 ± 0.5	0.28	35 ± 1	175	400	5M	36*10*0.3	0.6	40	≤500°C
DN32	30 ± 0.8	41± 1	5 ± 0.5	0.28	43± 1	225	510	6M	36*13*0.3	0.6	40	≤500°C
DN40	39 ± 0.8	51.5 ± 1	6 ± 0.5	0.28	53 ± 1	280	640	6M	48*13*0.3	0.6	30	≤500°C
DN50	48.5 ± 0.8	62.5 ± 1.3	7 ± 0.5	0.28	65 ± 1.3	350	800	6M	48*13*0.35	0.6	25	≤500°C



DN (mm)	A Minor Diameter (mm)	B Major Diameter (mm)	C Wall Thickness (mm)	D Corrugated Pipe Inner Diameter (mm)	E Corrugated Pipe + Braided Outer Diameter (mm)	F Wave Distance (mm)	L Hose Length (M)
DN15	18.63	20.96	2	15 ± 0.55	23 ± 0.6	4 ± 0.3	0.2-4.5M
DN20	24.12	26.44	3	20 ± 0.65	29 ± 0.6	4± 0.3	0.3-4.5M
DN25	30.29	33.25	3	25 ± 0.65	35 ± 1	5 ± 0.5	0.4-5M
DN32	38.95	41.91	4	30 ± 0.8	43 ± 1	5 ± 0.5	0.5-6M
DN40	44.85	47.80	4	39 ± 0.8	53 ± 1	6 ± 0.5	0.5-6M
DN50	56.66	59.61	4	48.5 ± 0.8	65 ± 1.3	7 ± 0.5	0.5-6M

Corrugated inner pipe - SS316L Thickness of Corrugated pipe: 3mm

Wire braided single layer - SS316L

Nut - F3/4", SS316L

Sleeve - SS316L

Welded joints between the sleeve and insert - SS316L

Flat Washers - SS316L

Washer - Neoprene

Working Pressure - 5Mpa