



NW Flexible Stainless Steel Hoses – Thin Wall

MODEL NUMBER	FLANGE TYPE	NOMINAL ID	HOSE OD	OVERALL LENGTH	WALL THICKNESS	STATIC BEND RADIUS
LH-075-10-2NW	NW-16	3/4	1.02	10	0.006	3.0
LH-075-12-2NW	NW-16	3/4	1.02	12	0.006	3.0
LH-075-18-2NW	NW-16	3/4	1.02	18	0.006	3.0
LH-075-24-2NW	NW-16	3/4	1.02	24	0.006	3.0
LH-075-36-2NW	NW-16	3/4	1.02	36	0.006	3.0
LH-100-10-2NW	NW-25	1	1.37	10	0.006	4.0
LH-100-12-2NW	NW-25	1	1.37	12	0.006	4.0
LH-100-18-2NW	NW-25	1	1.37	18	0.006	4.0
LH-100-24-2NW	NW-25	1	1.37	24	0.006	4.0
LH-100-36-2NW	NW-25	1	1.37	36	0.006	4.0
LH-150-10-2NW	NW-40	1 1/2	1.91	10	0.006	6.0
LH-150-12-2NW	NW-40	1 1/2	1.91	12	0.006	6.0
LH-150-18-2NW	NW-40	1 1/2	1.91	18	0.006	6.0
LH-150-24-2NW	NW-40	1 1/2	1.91	24	0.006	6.0
LH-150-36-2NW	NW-40	1 1/2	1.91	36	0.006	6.0
LH-200-10-2NW	NW-50	2	2.45	10	0.006	7.5
LH-200-12-2NW	NW-50	2	2.45	12	0.006	7.5
LH-200-18-2NW	NW-50	2	2.45	18	0.006	7.5
LH-200-24-2NW	NW-50	2	2.45	24	0.006	7.5
LH-200-36-2NW	NW-50	2	2.45	36	0.006	7.5

NW Flexible Stainless Steel Hoses – Medium Wall

MODEL NUMBER	FLANGE TYPE	NOMINAL ID	HOSE OD	OVERALL LENGTH	WALL THICKNESS	STATIC BEND RADIUS
FH-075-10-2NW	NW-16	3/4	1.11	10	0.008	1.26
FH-075-12-2NW	NW-16	3/4	1.11	12	0.008	1.26
FH-075-18-2NW	NW-16	3/4	1.11	18	0.008	1.26
FH-075-20-2NW	NW-16	3/4	1.11	20	0.008	1.26
FH-075-24-2NW	NW-16	3/4	1.11	24	0.008	1.26
FH-075-36-2NW	NW-16	3/4	1.11	36	0.008	1.26
FH-075-40-2NW	NW-16	3/4	1.11	40	0.008	1.26
FH-100-10-2NW	NW-25	1	1.37	10	0.008	1.46
FH-100-12-2NW	NW-25	1	1.37	12	0.008	1.46
FH-100-18-2NW	NW-25	1	1.37	18	0.008	1.46
FH-100-20-2NW	NW-25	1	1.37	20	0.008	1.46
FH-100-24-2NW	NW-25	1	1.37	24	0.008	1.46
FH-100-36-2NW	NW-25	1	1.37	36	0.008	1.46
FH-100-40-2NW	NW-25	1	1.37	40	0.008	1.46
FH-150-10-2NW	NW-40	1 1/2	2.06	10	0.010	2.16
FH-150-12-2NW	NW-40	1 1/2	2.06	12	0.010	2.16
FH-150-18-2NW	NW-40	1 1/2	2.06	18	0.010	2.16
FH-150-20-2NW	NW-40	1 1/2	2.06	20	0.010	2.16
FH-150-24-2NW	NW-40	1 1/2	2.06	24	0.010	2.16
FH-150-36-2NW	NW-40	1 1/2	2.06	36	0.010	2.16
FH-150-40-2NW	NW-40	1 1/2	2.06	40	0.010	2.16
FH-200-10-2NW	NW-50	2	2.55	10	0.015	3.50
FH-200-12-2NW	NW-50	2	2.55	12	0.015	3.50
FH-200-18-2NW	NW-50	2	2.55	18	0.015	3.50
FH-200-20-2NW	NW-50	2	2.55	20	0.015	3.50
FH-200-24-2NW	NW-50	2	2.55	24	0.015	3.50
FH-200-36-2NW	NW-50	2	2.55	36	0.015	3.50
FH-200-40-2NW	NW-50	2	2.55	40	0.015	3.50

SPECIFICATIONS

Nominal ID sizes: 3/4 to 2 inch

Materials

Hose: 321 stainless steel
 Tube ends: 304 stainless steel
 Flanges: 304 stainless steel
 (316L available on request)

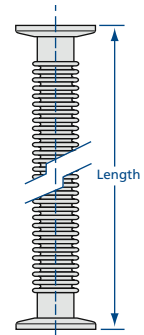
Vacuum Range

Metal seal: $\geq 1 \times 10^{-10}$ Torr - UHV
 Elastomer seal: $\geq 1 \times 10^{-8}$ Torr - High vacuum

Temperature Range

Metal seal: -200°C to 450°C
 Elastomer seal: -20°C to 150°C

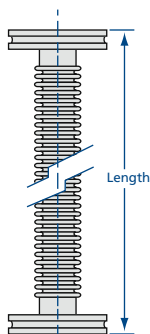
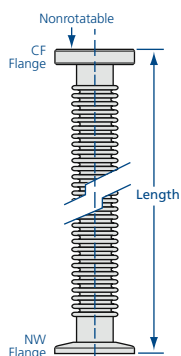
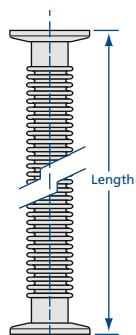
Options: Protective braided sleeving



Larger hose IDs and other flange configurations available upon request.

Flexible Hoses & Couplings

Flexible Stainless Steel Hoses



SPECIFICATIONS

Nominal ID sizes: 3/4 to 4 inch

Materials

Hose: 321 stainless steel
 Tube ends: 304 stainless steel
 Flanges: 304 stainless steel
 (316L available on request)

Vacuum Range

Metal seal: $\geq 1 \times 10^{-10}$ Torr - UHV
 Elastomer seal: $\geq 1 \times 10^{-8}$ Torr - High vacuum

Temperature Range

Metal seal: -200°C to 450°C
 Elastomer seal: -20°C to 150°C

Options: Protective braided sleeving

NW Flexible Stainless Steel Hoses – Thick Wall

MODEL NUMBER	NOMINAL ID	HOSE OD	OVERALL LENGTH	FLANGE TYPE	WALL THICKNESS	STATIC BEND RADIUS
TH-075-10-2NW	3/4	1.10	10	NW-16	0.017	2.13
TH-075-20-2NW	3/4	1.10	20	NW-16	0.017	2.13
TH-075-40-2NW	3/4	1.10	40	NW-16	0.017	2.13
TH-100-10-2NW	1	1.50	10	NW-25	0.017	2.88
TH-100-20-2NW	1	1.50	20	NW-25	0.017	2.88
TH-100-40-2NW	1	1.50	40	NW-25	0.017	2.88
TH-150-10-2NW	1 1/2	2.10	10	NW-40	0.020	3.50
TH-150-20-2NW	1 1/2	2.10	20	NW-40	0.020	3.50
TH-150-40-2NW	1 1/2	2.10	40	NW-40	0.020	3.50
TH-200-10-2NW	2	2.63	10	NW-50	0.020	5.25
TH-200-20-2NW	2	2.63	20	NW-50	0.020	5.25
TH-200-40-2NW	2	2.63	40	NW-50	0.020	5.25

NW/CF Flexible Stainless Steel Adapter Hoses – Medium Wall

MODEL NUMBER	NOMINAL ID	HOSE OD	OVERALL LENGTH	FLANGE 1 TYPE	FLANGE 2 TYPE	WALL THICKNESS	STATIC BEND RADIUS
FH-075-12-NW-CF	3/4	1.11	12	NW-16	CF-1.33	0.008	1.26
FH-075-18-NW-CF	3/4	1.11	18	NW-16	CF-1.33	0.008	1.26
FH-075-24-NW-CF	3/4	1.11	24	NW-16	CF-1.33	0.008	1.26
FH-075-36-NW-CF	3/4	1.11	36	NW-16	CF-1.33	0.008	1.26
FH-150-12-NW-CF	1 1/2	2.06	12	NW-40	CF-2.75	0.010	2.16
FH-150-18-NW-CF	1 1/2	2.06	18	NW-40	CF-2.75	0.010	2.16
FH-150-24-NW-CF	1 1/2	2.06	24	NW-40	CF-2.75	0.010	2.16
FH-150-36-NW-CF	1 1/2	2.06	36	NW-40	CF-2.75	0.010	2.16

ISO Flexible Stainless Steel Hoses – Medium Wall

MODEL NUMBER	NOMINAL ID	HOSE OD	OVERALL LENGTH	FLANGE TYPE	WALL THICKNESS	STATIC BEND RADIUS
FH-250-10-2ISO	2 1/2	3.34	10	ISO-63	0.016	3.15
FH-250-12-2ISO	2 1/2	3.34	12	ISO-63	0.016	3.15
FH-250-18-2ISO	2 1/2	3.34	18	ISO-63	0.016	3.15
FH-250-20-2ISO	2 1/2	3.34	20	ISO-63	0.016	3.15
FH-250-24-2ISO	2 1/2	3.34	24	ISO-63	0.016	3.15
FH-250-36-2ISO	2 1/2	3.34	36	ISO-63	0.016	3.15
FH-250-40-2ISO	3	3.99	40	ISO-63	0.016	3.15
FH-300-10-2ISO	3	3.99	10	ISO-80	0.016	3.82
FH-300-12-2ISO	3	3.99	12	ISO-80	0.016	3.82
FH-300-18-2ISO	3	3.99	18	ISO-80	0.016	3.82
FH-300-20-2ISO	3	3.99	20	ISO-80	0.016	3.82
FH-300-24-2ISO	3	3.99	24	ISO-80	0.016	3.82
FH-300-36-2ISO	3	3.99	36	ISO-80	0.016	3.82
FH-300-40-2ISO	4	4.83	40	ISO-80	0.016	3.82
FH-400-10-2ISO	4	4.83	10	ISO-100	0.016	4.45
FH-400-12-2ISO	4	4.83	12	ISO-100	0.016	4.45
FH-400-18-2ISO	4	4.83	18	ISO-100	0.016	4.45
FH-400-20-2ISO	4	4.83	20	ISO-100	0.016	4.45
FH-400-24-2ISO	4	4.83	24	ISO-100	0.016	4.45
FH-400-36-2ISO	4	4.83	36	ISO-100	0.016	4.45
FH-400-40-2ISO	4	4.83	40	ISO-100	0.016	4.45

ISO Flexible Stainless Steel Hoses – Thick Wall

MODEL NUMBER	NOMINAL ID	HOSE OD	OVERALL LENGTH	FLANGE TYPE	WALL THICKNESS	STATIC BEND RADIUS
TH-250-20-2ISO	2 1/2	3.10	20	ISO-63	0.020	8.00
TH-250-40-2ISO	2 1/2	3.10	40	ISO-63	0.020	8.00
TH-300-20-2ISO	3	3.92	20	ISO-80	0.020	9.00
TH-300-40-2ISO	3	3.92	40	ISO-80	0.020	9.00
TH-400-20-2ISO	4	4.82	20	ISO-100	0.020	13.00
TH-400-40-2ISO	4	4.82	40	ISO-100	0.020	13.00