



Markets & Applications:

- Tank Trucks
- Agriculture
- Batch plants
- Waste hauling
- Petroleum industry
- Oil and gas exploration
- Transfer of water, liquid, diluted fertilizer and pesticides
- Pumping, suction and discharge of water slurries
- ANFO (Ammonium Nitrate Fuel Oil) Blasting
- Nuclear systems
- Cooling water transfer
- Bilge pump

Water transfer

Engineered to go with the flow

Boston by Danfoss Royalflex H1196 Water Specialty

Royalflex® H1196 water specialty hose

Boston® Royalflex delivers innovative design for maximum efficiency. This free-flowing and lightweight hose is built for long, continuous lengths (up to 1000 ft) and features a homogeneous construction that eliminates separation and reduces leak points. Enhanced crush and kink resistance makes it ideal for tough, high-stress environments.

Boston® Royalflex provides reliable solutions for challenging applications. Its robust construction and flexibility make it perfect for long drops, where other hoses may fail. The long continuous lengths also offer advantages for secondary containment, minimizing connections and ensuring integrity.

Boston Royalflex offers an innovative solution to meet today's demanding industrial needs.

Features:

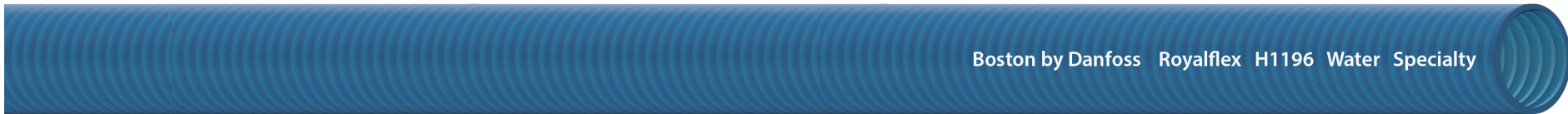
- High-pressure capability up to 300 psi
- Long continuous lengths up to 1000 ft
- Crush and kink resistant
- MSHA approved
- Rate for full vacuum service
- 100% polyester with helical wire
- Lightweight
- 25% more flexible than traditional rubber hose
- 4:1 Safety Factor
- 15% more lightweight than traditional rubber hose
- Packaging: Various package lengths active (up to 1,000 ft) - any package length can be quoted

Benefits:

- Safe, Compliant, and Reliable: MSHA approved, rated for full vacuum service, and featuring a 4:1 safety factor, Royalflex ensures safe and reliable operation.
- Durable Yet Flexible: The combination of 100% polyester with helical wire, crush/kink resistance, and 25% greater flexibility provides a long-lasting hose that's easy to handle.
- Lightweight and Long-Lasting: 15% more lightweight than rubber hoses, combined with the ability to have continuous lengths up to 1000 ft, Royalflex is easy to install and built to last.

Royalflex® H1196 water specialty hose

Fluid transfer hose, offering exceptional crush resistance, long lengths, and a lightweight design.



Number	Hose I.D.		Hose O.D.		Operating Pressure		Min. Burst Pressure		Min. Bend Radius		Vacuum		Weight		Length	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H119624-100	38.1	1.50	50.8	2.00	21	300	62	900	152.4	6.00	94.8	28.0	1.19	0.80	30.5	100
H119632-100	50.8	2.00	63.5	2.50	21	300	62	900	203.2	8.00	94.8	28.0	1.64	1.10	30.5	100
H119640-100	63.5	2.50	76.2	3.00	21	300	62	900	254.0	10.00	94.8	28.0	1.99	1.34	30.5	100
H119648-100	76.2	3.00	88.9	3.50	17	250	52	750	304.8	12.00	94.8	28.0	2.98	2.00	30.5	100
H119664-100	101.6	4.00	114.3	4.50	14	200	41	600	406.4	16.00	94.8	28.0	4.05	2.72	30.5	100

Construction

Tube PVC with nitrile blend

Operating Temperature

-29°C to +82°C
(-20°F to +180°F)

Visit PowerSource crimp specs at danfoss.com/crimp for crimp specifications.

Reinforcement

100% polyester and helical wire

Certification

MSHA IC-84/37

Cover PVC with nitrile blend
(MSHA approved)

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