

1. INSULPEX® pipe

INSULPEX pipe consists of O₂ barrier PEXa pipe encased in closed-cell polyurethane (PUR) foam insulation, with a protective low-density polyethylene (PE) outer casing. REHAU O₂ barrier pipe is made of high-quality crosslinked polyethylene, manufactured using the high-pressure peroxide method (PEXa). REHAU O₂ barrier pipe has a co-extruded oxygen diffusion layer that complies with the requirements of DIN 4726. REHAU O₂ barrier pipe is manufactured by REHAU in a plant using a quality management system that is certified to ISO 9001.

INSULPEX pipe meets the requirements of DIN 16892 and 16893. The size listed in the description is the nominal diameter in millimeters, according to DIN 16893. Metric pipes are SDR11 and are compatible with SDR11 compression-sleeve fittings. Refer to *INSULPEX Technical Manual* (Article no. 855.630) for pipe dimension details, capacities and temperature/pressure ratings.



One-pipe system – coils

One carrier pipe in the size listed, within PUR insulation and a corrugated PE outer casing.

Article no.	Description	Maximum coil size		Unit weight		Minimum order
		ft	m	kg/m	lb/ft	
423418-001	25 mm INSULPEX O ₂ barrier pipe (91)	1640	500	1.2	0.8	35 ft
423419-001	32 mm INSULPEX O ₂ barrier pipe (91)	1560	475	1.4	0.9	35 ft
241082-001	40 mm INSULPEX O ₂ barrier pipe (91)	1560	475	1.4	0.9	35 ft
241092-001	50 mm INSULPEX O ₂ barrier pipe (111)	985	300	2.0	1.3	35 ft
221317-001	63 mm INSULPEX O ₂ barrier pipe (126)	820	250	2.6	1.7	35 ft
221327-001	75 mm INSULPEX O ₂ barrier pipe (142)	605	185	3.4	2.3	35 ft
221337-001	90 mm INSULPEX O ₂ barrier pipe (162)	292	89	4.6	3.1	35 ft
221347-001	110 mm INSULPEX O ₂ barrier pipe (162)	292	89	5.7	3.8	35 ft
222677-001	125 mm INSULPEX O ₂ barrier pipe (182)	130	40	7.2	4.8	35 ft
315265-001*	140 mm INSULPEX O ₂ barrier pipe (202)	115	36	8.4	5.6	35 ft

*This item is not stocked. Lead times may vary.

One-pipe system – straight lengths

One carrier pipe in the size listed, within PUR insulation and a corrugated PE outer casing.

Article no.	Description	Package quantity	Unit weight		Minimum order
			kg/pce	lb/pce	
221317-005*	63 mm INSULPEX O ₂ barrier pipe 16.4 ft (5 m)	10	13.0	28.7	10
221327-005*	75 mm INSULPEX O ₂ barrier pipe 16.4 ft (5 m)	10	17.0	37.5	10
221337-005*	90 mm INSULPEX O ₂ barrier pipe 16.4 ft (5 m)	10	23.0	50.7	10
221347-005*	110 mm INSULPEX O ₂ barrier pipe 16.4 ft (5 m)	10	28.5	62.8	10
222677-005*	125 mm INSULPEX O ₂ barrier pipe 16.4 ft (5 m)	10	36.0	79.4	10
315265-005*	140 mm INSULPEX O ₂ barrier pipe 16.4 ft (5 m)	10	42.0	92.6	10

*This item is not stocked. Lead times may vary.



Two-pipe system – coils

Two carrier pipes in the size listed, within PUR insulation and a corrugated PE outer casing.

Article no.	Description	Maximum coil size		Unit weight		Minimum order
		ft	m	kg/m	lb/ft	
423421-001	25 + 25 mm INSULPEX O ₂ barrier pipe (111)	985	300	1.6	1.1	35 ft
241032-001	32 + 32 mm INSULPEX O ₂ barrier pipe (111)	985	300	1.9	1.3	35 ft
241042-001	40 + 40 mm INSULPEX O ₂ barrier pipe (126)	820	250	2.5	1.7	35 ft
241052-001	50 + 50 mm INSULPEX O ₂ barrier pipe (162)	292	89	4.0	2.7	35 ft
221427-001	63 + 63 mm INSULPEX O ₂ barrier pipe (182)	130	40	5.3	3.6	35 ft

Table of pipe diameters

Casing OD is the average outside diameter between the higher and the lower rib profiles.

Article no.	Description	Casing		PEXa	
		outer diameter		inside diameter	
423418	25 mm INSULPEX O ₂ barrier pipe	3.6 in.	91 mm	0.81 in.	20.6 mm
423419	32 mm INSULPEX O ₂ barrier pipe	3.6 in.	91 mm	1.04 in.	26.4 mm
241082	40 mm INSULPEX O ₂ barrier pipe	3.6 in.	91 mm	1.29 in.	32.8 mm
241092	50 mm INSULPEX O ₂ barrier pipe	4.4 in.	111 mm	1.62 in.	41.1 mm
221317	63 mm INSULPEX O ₂ barrier pipe	5.0 in.	126 mm	2.04 in.	51.7 mm
221327	75 mm INSULPEX O ₂ barrier pipe	5.6 in.	142 mm	2.43 in.	61.8 mm
221337	90 mm INSULPEX O ₂ barrier pipe	6.4 in.	162 mm	2.92 in.	74.1 mm
221347	110 mm INSULPEX O ₂ barrier pipe	6.4 in.	162 mm	3.56 in.	90.5 mm
222677	125 mm INSULPEX O ₂ barrier pipe	7.2 in.	182 mm	4.05 in.	102.8 mm
315265	140 mm INSULPEX O ₂ barrier pipe	8.0 in.	202 mm	4.54 in.	115.3 mm
423421	25 + 25 mm INSULPEX O ₂ barrier pipe	4.4 in.	111 mm	0.81 in.	20.6 mm
241032	32 + 32 mm INSULPEX O ₂ barrier pipe	4.4 in.	111 mm	1.04 in.	26.4 mm
241042	40 + 40 mm INSULPEX O ₂ barrier pipe	5.0 in.	126 mm	1.29 in.	32.8 mm
241052	50 + 50 mm INSULPEX O ₂ barrier pipe	6.4 in.	162 mm	1.62 in.	41.1 mm
221427	63 + 63 mm INSULPEX O ₂ barrier pipe	7.2 in.	182 mm	2.04 in.	51.7 mm