

# ELOFIT VALVES

## BALL VALVE FOR UNDERGROUND APPLICATION

**ITEM:** 12EIVS\_

**SIZE RANGE:** 1" IPS or 1" CTS ÷ 8" IPS

**SDR:** 11

**FUSION RANGE:** for Butt Fusion – SDR 11  
for Electrofusion – SDR 11 and up

**MATERIAL:** VALVE: HDPE PE4710 according with ASTM D3350  
SEALS: NBR (standard size O-Ring)

**COLOR:** Black



### INSTALLATION INSTRUCTIONS:

Butt Fusion – to pipe or fittings in accordance with ASTM F2620, PPI TR-33 and NUPI Elofit Installation Manual  
Electrofusion - in accordance with ASTM F1290 and NUPI Elofit Installation Manual with separate EF fittings

**HYGIENIC LAW AND SPECIFICATIONS:** NSF 61 (Drinking Water System Components – Health Effects).

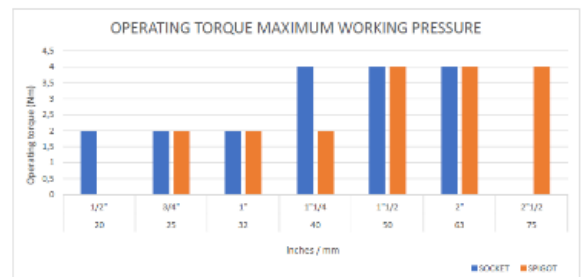
### STANDARDS:

ASME B16.40 (Manually Operated Thermoplastic Gas Shutoffs and Valves in Gas Distribution Systems), and IAPMO Z1157 (Ball Valves).

Coupled with pipes according to ASTM D2513 (Standard Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings), ASTM D3350 (Standard Specification for Polyethylene Plastics Pipe and Fittings Materials), AWWA C901 (Polyethylene (PE) Pressure Pipe and Tubing, ½ In. (13 mm) through 3 In. (76 mm), for Water Service), AWWA C906 (Polyethylene (PE) Pressure Pipe and Fittings, 4 In. (100 mm) Through 63 In. (1,600 mm), For Water Distribution and Transmission).

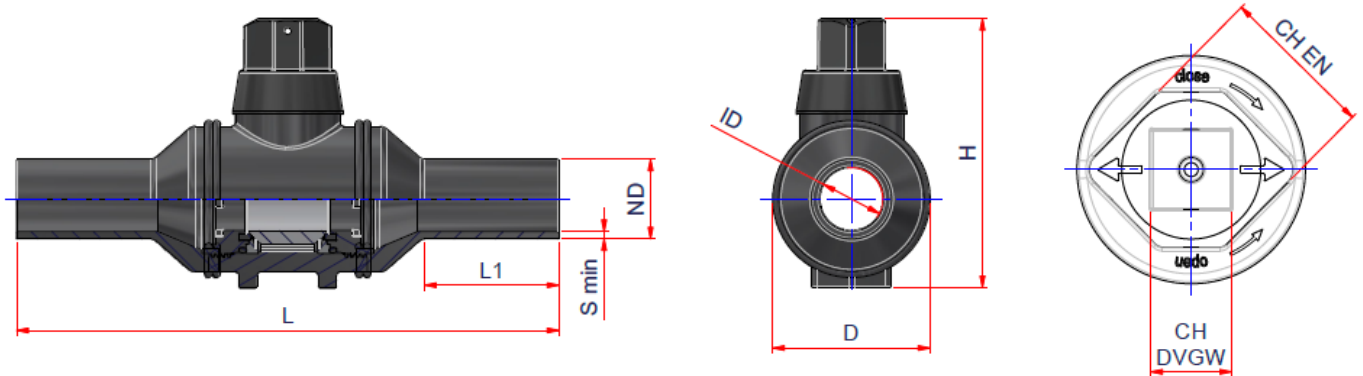
**PRESSURE RATING:** Gas 125 psi  
Water 200 psi

COLD WATER 73.4°F



### PRODUCT INFORMATION AND APPLICATION USE:

Elofit valves are designed to be joined by butt fusion and electro fusion in accordance with the applicable standards and installation instructions. The dimensions and performance of the fittings comply with the requirements of ASTM B16.40, IAPMO Z1157. The valves are designed with a sufficient thickness and length of the melting zone to meet the pressure rating of the corresponding pipe SDR. Valves are assembled from parts fabricated by injection molding and pipe machining. Intended use is for: natural gas, water, industrial applications (ref. PPI TR-19). The hygienic properties for drinking water systems comply with NSF 61 requirements.



CODE	Weight lbs/pc	Volume ft <sup>3</sup> /pc	ND	ID	OD	S min	D	L1	L	H	CH EN	CH DVGW	Notes
12EIVS01CTS	1.025	0.0804	1" CTS	0.885	1.125	0.101	2.48	2.95	10.94	5.12	2"	0.79	Full Bore
12EIVS01	1.025	0.0804	1" IPS	0.935	1.315	0.120	2.48	2.95	10.94	5.12	2"	0.79	Full Bore
12EIVS114CTS	3.858	0.3231	1 1/4" CTS	1.102	1.375	0.121	4.33	3.15	16.14	7.99	2"	0.98	Full Bore
12EIVS114	3.858	0.3231	1 1/4" IPS	1.323	1.660	0.151	4.33	3.15	16.14	7.99	2"	0.98	Full Bore
12EIVS112	3.858	0.3231	1 1/2" IPS	1.510	1.900	1.073	4.33	3.54	16.14	7.99	2"	0.98	Full Bore
12EIVS02	4.101	0.3231	2" IPS	1.890	2.375	0.216	4.33	3.94	16.14	7.99	2"	0.98	Full Bore
12EIVS03	14.991	0.8701	3" IPS	2.783	3.500	0.318	6.30	5.91	21.50	11.10	2"	0.98	Full Bore
12EIVS04	15.653	0.8701	4" IPS	3.110	4.500	0.409	6.30	6.10	21.50	11.10	2"	0.98	Full Bore
12EIVS0680	14.334	0.963	6" IPS	3.110	6.625	0.602	6.61	6.22	22.68	11.10	2"	0.98	Reduced Bore
12EIVS06100	22.121	1.4164	6" IPS	3.700	6.625	0.602	8.27	6.22	23.6	12.54	2"	0.98	Reduced Bore
12EIVS06	47.399	2.649	6" IPS	5.157	6.625	0.602	11.81	4.35	23.62	16.42	2"	0.98	Full Bore
12EIVS08125	49.604	2.649	8" IPS	5.157	8.625	0.784	11.81	4.98	23.62	16.42	2"	0.98	Reduced Bore

## MANUFACTURER'S WARRANTY:

Thirty (30) Years from the date of sale upon successful completion of pressure test of the piping system (refer to published warranty for complete details).

## NOTE:

\* More information can be found on ELOFIT TECHNICAL CATALOGUE

\*\*For ELOFIT pipe and fittings to meet E-84 and/or CAN/ULC S102.2 for installation in a plenum application, it must be covered with a minimum of 1" or greater E-84 fiberglass insulation.

\*\*\* Technical Data may undergo dimensional changes, check revision at the top.