



# Type Approval Certificate

*This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.*

This certificate supersedes certificate number 16/20088 issued on 12.09.2016 which is hereby cancelled.

This certificate is issued to:

<b>PRODUCER</b>	Dorot Italia SRL Via C. Dell' Acqua 7 20027 Rescaldina, MI Italy
<b>DESCRIPTION</b>	Hydraulically operated control valves
<b>TYPE</b>	Series 100 – Models 44, 47, 68, 77 & 87 Series 300 – Models 30, 31, 32, 30U, 30UC, 30AU & 30A
<b>APPLICATION</b>	Industrial, marine and offshore fire protection systems, in deluge and foam systems, pressure control deluge systems, remote operated monitors, pressure control and sustaining systems, sprinkler systems and pressure reducing hydrants.
<b>STANDARD</b>	Lloyd's Register's Rules and Regulations for the Classification of Ships, 2016 ASME B16.31:2004; UL 260:2008
<b>RATINGS</b>	Pressure rating (PN): 10, 12, 16 and 25 Pressure rating (psi): 150, 175, 250 and 375 Max. temperature rating (°C): 80

<b>Certificate No.</b>	16/20088 (E1)
<b>Issue Date</b>	15 September 2016
<b>Expiry Date</b>	2 June 2021
<b>Sheet</b>	1 of 3



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Hamburg Technical Support Office  
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LR031.1.2015.12

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RATINGS (Cont.)

	Nominal diameter (inch):	Body material:
<b>Series 100:</b>		
Model 44	1 to 3	Ductile iron; Cast steel; Stainless steel; Nickel Aluminium Bronze; Bronze
Model 47	2 to 12	Ductile iron; Cast steel; Stainless steel; Nickel Aluminium Bronze; Bronze
Model 68	2 to 10	Ductile iron; Cast steel; Stainless steel; Nickel Aluminium Bronze; Bronze
Model 77	2 to 24	Ductile iron; Cast steel; Stainless steel Nickel Aluminium Bronze
Model 87	2 to 12	Nickel Aluminium Bronze, Bronze
<b>Series 300:</b>		
Models 30, 31, 32, 30U & 30UC	2 to 24	Ductile iron; Cast steel; Stainless steel; Nickel Aluminium Bronze; Bronze
Models 30AU & 30A	2 to 10	Ductile iron; Cast steel; Stainless steel; Nickel Aluminium Bronze; Bronze

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 Lloyd's Register  
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Company Ref: PO-RA-LLOYDS  
Lloyd's Ref : Q/ATS/21-0521 & ATS-20-0549

27 September 2021

Attention: Adam Rogers

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## **LLOYD'S REGISTER TYPE APPROVAL SYSTEM 2019 Dorot Italia SRL -Renewal of 16/20088(E1)**

This is to confirm that Lloyd's Register Canada Ltd has received, and is currently processing, an application for renewal and amendment of Type Approval Certificate 16/20088(E1) covering hydraulic operated control valve provided following documents are submitted:

1. Dimensional drawings of all the listed valve models under Series 100 and Series 300
2. Applicable current design standards for both the Series
3. Material designation, specification # and grade for each valve and valve body thickness clearly shown on each plan
4. Pressure and temp ratings
5. Signed RFS for reviewing amendments with regards to Type Approval (ATS-21-521)

Pending completion of the type approval process, Certificate 16/20088(E1) may be considered valid until 31 December 2021.

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Graeme A. Hyde

Americas Type Approval & MEC – Account Manager