

**Certificate no.:**  
 REP-60-151-2020-IT

**Project no**  
**SIL III**
**Report date:**  
 27/05/2020

**Office:**  
 Dalmine, Italy

**Independent Third Party Inspection Certificate**

Dati Fabbricante		Manufacturer identification	
<b>Sede Legale / Unità Operativa</b> <b>Head Office / Plant</b>	EMMECI-GRV FLOW CONTROL SRL Via VERTA, 49 - 28887 - OMEGNA (VB)		
Dati Prodotto		Product identification	
<b>Tipologia / Type:</b>	BALL VALVE AS BELOW DETAILS		
<b>Descrizione / Description</b>	TRUNION BALL VALVE RANGE: 6" #600 GRV PNEUMATIC ACTUATOR ANGLE 0 – 90°		
<b>Denominazione</b> <b>Denomination</b>	<b>Marchio / Trademark:</b>	GRV	
	<b>Modelli / Models:</b>	GRV S900 170	
<b>Norma di riferimento</b> <b>Reference standard</b>	<b>Prova / Test</b>		<b>Risultato / Result</b>
IEC 61508-1 2010	Functional safety of Electrical/Electronic/Programmable Electronic safety-related System (E/E/PE, or E/E/PES), type A, low Demande Mode, HFT=0		<i>Satisfactory</i>
IEC 62061:2005	Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems		<i>Satisfactory</i>
<b>Laboratorio di prova:</b> <b>Test location:</b>	EMMECI-GRV FLOW CONTROL SRL Via VERTA, 49 - 28887 - OMEGNA (VB)		
<b>Risultato dell'esame:</b> <b>Examination result:</b>	The above reported BALL VALVES were found to meet the standard defined requirements of the safety levels detailed in the following table (T – 60-151-2020-IT) according to IEC EN 61508		
<b>Parametri di Esame:</b> <b>Examination parameters:</b>	Construction/Functional characteristics and reliability and availability parameters of the above mentioned BALL VALVES		
<b>Data di Scadenza:</b> <b>Expiring Date:</b>	26-05-2023		
<b>Test Report No.:</b>	TF-60-151-2020-IT		
<b>Allegati / Annexes :</b>	T – 60-151-2020-IT		

Statement prepared and submitted without prejudice by:

 Gianluca Borraccino  
 Technical Representative  
 ABS Group LTD


This Report is granted subject to the condition that it is understood and agreed that nothing herein contained shall be deemed to relieve any designer, manufacturer, seller, supplier, repairer or operator of any warranty, express or implied and the liability of ABS Services Ltd. (hereinafter referred to as ABS Services) shall be limited to the acts or omissions of its employees, agents or subcontractors. Under no circumstances whatsoever shall ABS Services be liable for any injury or damage to any person or property occurring by reason of negligent operation or any defect in materials, machinery, equipment or other items other than such defects ascertainable by normally accepted testing standards and only upon those items actually inspected by ABS Services and which are covered by this Report.

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## SUMMARY TABLE

T – 60-151-2020-IT

DN 6" #600 Execution of Ful Proof test with time interval non higher 36 months	PFD1	0,0001614
	PFD2	7,389E-09
	PFD3	0,000706184
	PFD TOT 8,68E-04	SIL 3

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*Gianluca Borraccino*  
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