



SETSCO SERVICES PTE LTD

Serial No. : MP/TC0023/24
Date Issued : 23 July 2024

TEST CERTIFICATE

This certificate is a summary of the test and test reports as stated below:

BERMAD UK LTD
#06-02 102E Pasir Panjang Road
Citilink Warehouse Complex
Singapore 118529
Attn: Mr. David Choo

FOR
Brand: Bermad

Test Standard : BS EN 1092-2: 1997, BS EN 1074-4: 2000, AS/NZS 4020: 2015, SS 375: 2015, SS 270: 2015, BS EN 545: 2010

Product Type : Air Valve

Product	Instruction	Test		
		Flange mating dimension and thickness	Microstructure	
Air Valve Model: C70 Size: 2"	If done, Pass/Fail	NA	Pass See MM-8500234824/1- 2H/CY	
		NA	Pass See MM-8500234824/1- 2H/CY	
	If not done, reference	NA	Pass See MM-8500234824/1- 2H/CY	
		NA	Pass See MM-8500234824/1- 2H/CY	
	If not done, no reference	NA	Pass See MM-8500234824/1- 2H/CY	
		NA	Pass See MM-8500234824/1- 2H/CY	
	Design Requirement	Internal corrosion and ageing resistance	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY
		External corrosion and ageing resistance	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY
	Resistance to internal pressure of the shell and of all pressure containing components	Resistance to internal pressure of the shell and of all pressure containing components	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY
		Resistance of the obturator to differential pressure	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY
	Resistance of valve to operating loads	NA	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY
	Leaktightness of the shell and all pressure containing component to internal pressure	Leaktightness of the shell and all pressure containing component to internal pressure	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY
		Seat tightness	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY
	Maximum operating torque	NA	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY
	Airflow characteristics for air release function	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY
Airflow characteristics for air intake function	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
Airflow characteristics for air venting function	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
Resistance to disinfection products	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
Endurance for air intake and/or air release function	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
Endurance for air vent function	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
Long term unseating test	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
Metal Extraction	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
Toxicity	EPDM	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
	EPDM	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
	EPDM	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
	Glass-reinforced nylon	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
	PP+Foam	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
	PP	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
	Epoxy coating	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
Elastomeric Seal Test	EPDM	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
	EPDM	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
	EPDM	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY	
Microstructure	Pass See MM-8500234824/1- 2H/CY	Pass See MM-8500234824/1- 2H/CY		

Terms and Conditions:

This certificate will cease to be valid upon change in material or manufacturing processes



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Product	Instruction	Test		
		Pass	Fail	
Air Valve Model: C70 Size: DN150	If done, Pass/Fail	Flange mating dimension and thickness	Pass See MM-8500234824/1-24/1-2MMA	.
		Design Requirement		.
		Internal corrosion and ageing resistance	See MM-8500234824/1-2L/CY	.
		External corrosion and ageing resistance	.	.
		Resistance to internal pressure of the shell and of all pressure containing components	Pass See MM-8500234824/1-2L/CY	.
		Resistance of the obturator to differential pressure	NA	NA
		Resistance of valve to operating loads	NA	NA
		Leaktightness of the shell and all pressure containing component to internal pressure	Pass See MM-8500234824/1-2L/CY	.
		Seat tightness	.	.
		Maximum operating torque	NA	NA
		Airflow characteristics for air release function	NA	NA
		Airflow characteristics for air intake function	NA	NA
		Airflow characteristics for air venting function	See MM-8500234824/1-2L/CY	.
		Resistance to disinfection products	Pass See MM-8500234824/1-2K/CY	.
		Endurance for air intake and/or air release function	Pass See MM-8500234824/1-2K/CY	.
Endurance for air vent function	Pass See MM-8500234824/1-2K/CY	.		
Long term unseating test	Pass See MM-8500434824/1-2L/CY	.		
Metal Extraction	Pass See MM-8500234824/1-2L/CY	.		
Toxicity	Pass See FB85002957/48 MM-8500234824/1-7T MM-8500234824/1-3-9T MM-8500234824/1-4T MM-8500234824/1-5-8T MM-8500234824/1-5-9T MM-8500000065/1-3-3/T	EPDM	.	
		EPDM	.	
		EPDM	.	
		Glass-reinforced nylon	.	
		PP+Foam	.	
		PP	.	
		Epoxy coating	.	
Elastomeric Seal Test	Pass See MM-8500234824/1-1D/O/W/D MM-8500234824/1-1C/O/W/D MM-8500234824/1-1B/O/W/D	EPDM	.	
		EPDM	.	
		EPDM	.	
Microstructure	.	Pass See 18-0128B		

CHEN YU
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