

CERTIFICATE OF MATERIALS & TEST REPORT (CMTR)
 (CERTIFICADO DE CALIDAD DE MATERIALES Y REPORTE DE PRUEBAS CMTR)
 ACCORDING TO EN 10204 TYPE 3.1

 No. código interno (Product Code Nr.): EE025ADE1MR21BY

 No. Serie (Serial Number): 16C4013

 Fecha (Date): April 26, 2016

No. De Tag (Tag Number): _____

 Clientes (Customer): PLESA ANAHUAC Y CIAS, S.A DE C.V.

 No Pedido del Cliente (Customer PO Nr.): 23389

 Partida (Customer Item): 6 Pedido Interno No (Walworth Sales Nr.): D000060238

 Partida (Item): 6

Linea de producto (Product line):	<u>CAST IRON</u>	Extremos (Ends):	<u>FLAT FACE (FF)</u>	Operación (Operation):	<u>HANDWHEEL</u>
Tipo de válvula (Type of valve):	<u>IRON GATE NOT RISING STEM FIXED STEM</u>	Cuerpo (Shell):	<u>GRAY IRON</u>	Otros (Other requirements):	_____
Diámetro (Nominal diameter):	<u>2 1/2</u>	Interiores (Trim):	<u>#E1 (BCE)</u>		_____
Presión clase (Pressure class):	<u>125</u>	Figura No (Figure Nr.):	<u>FIG W719</u>		_____

COMPOSICION QUIMICA EN % (CHEMICAL COMPOSITION %)

Parte (Component)	Material (Material)	Colada (Heat)	% P	% S	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
BONETE (BONNET)	ASTM_A_126_GR_B	C54V	0.050	0.066	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CUERPO (BODY)	ASTM_A_126_GR_B	C597	0.058	0.057	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DISCO 1 (DISC 1)	ASTM_A_126_GR_B	C587	0.051	0.063	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

PROPIEDADES MECANICAS (MECHANICAL TESTING)

Parte (Component)	Colada (Heat)	Condición de TT Normalizado & revenido Heat Treatment condition (Normalized & tempered)	Cedencia (Yield strength) (Kpsi)	Tensión (Tensile strength) (Kpsi)	Alar. En 2" (Elong. In 2") (% min)	Reduccion de area (Reduction of area) (% min)	Dureza (Hardness) (Bhn)		Prueba Impacto (Impact Test) (Joules)					
							1st	2nd	1st	2nd	3rd	AVG		
BONETE (BONNET)	C54V	NO APLICA NOT APPLICABLE	0.0000	37.5550	0	0	0	0	0	0	0	0	0	0
CUERPO (BODY)	C597	NO APLICA NOT APPLICABLE	0.0000	36.6850	0	0	0	0	0	0	0	0	0	
DISCO 1 (DISC 1)	C587	NO APLICA NOT APPLICABLE	0.0000	42.3400	0	0	0	0	0	0	0	0	0	

PRUEBAS DE PRESIÓN DE ACUERDO CON MSS SP 70 (PRESSURE TEST IN ACCORDANCE WITH MSS SP 70)

TIPO DE PRUEBA (Type of test)	PRESION (Pressure) (Psi)	TIEMPO (Duration) (min)	RESULTADO (Result)	TIPO DE PRUEBA (Type of test)	RESULTADO (Result)
HIDROSTATICA DE CASCO (HYDROSTATIC SHELL)	350	0.5 min	ACEPTADO (ACCEPTED)		
PRUEBA HIDROSTATICA SELLO 1 (HIGH PRESSURE CLOSURE SIDE 1)	200	0.5 min	ACEPTADO (ACCEPTED)		
PRUEBA HIDROSTATICA SELLO 2 (HIGH PRESSURE CLOSURE SIDE 2)	200	0.5 min	ACEPTADO (ACCEPTED)		

Certificamos que este producto ha sido diseñado, fabricado y probado de acuerdo con nuestro sistema de administración de calidad y con los requisitos establecidos en una o más de las siguientes normas en su última edición. (We hereby certify this product has been designed, manufactured and tested according to our quality management system and requirements stated in one or more of the following standards on their latest edition).

DESIGN IN ACCORDANCE WITH MSS SP 70 (IRON GATE NOT RISING STEM (FIXED STEM))
 API 609 METAL PLUG VALVES - FLANGED, THREADED AND WELDING
 API 591 PROCESS VALVE QUALIFICATION PROCEDURE
 API 623 STEEL GLOBE VALVES - FLANGED AND BUTT WELDING ENDS, BOLTED BONNETS
 API 624 TYPE TESTING OF RISING STEM VALVES EQUIPPED WITH GRAPHITE PACKING FOR FUGITIVE EMISSIONS
 ANSI B16-10 FACE TO FACE AND END TO END DIMENSIONS OF VALVES
 ANSI B16-11 FORGED FITTINGS, SOCKET WELDING AND THREADED
 ANSIBONACE MR0175/ISO 15156-1 MATERIALS FOR USE IN H₂S-CONTAINING ENVIRONMENTS IN OIL AND GAS PRODUCTION
 NACE MR0103 MATERIALS RESISTANT TO SULFIDE STRESS CRACKING IN CORROSIIVE PETROLEUM ENVIRONMENT
 MSS-SP-61 PRESSURE TESTING OF STEEL VALVES



 Quality Assurance Department
 Jessica Garcia Pérez

FAC-24 Rev. Original.