



Industrial de Válvulas, S.A. de C.V.

Industria de 16 S/N Fracc. Industrial el Trébol de Tepozotlán, Estado de México, México C.P. 54610

**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.): **EC040ADE1MR21BY** No. Serie (Serial Number): **16C4892**  
 Fecha (Date): **September 26, 2016** No. De Tag (Tag Number): \_\_\_\_\_  
 Clientes (Customer): \_\_\_\_\_ No Pedido del Cliente (Customer PO Nr.): \_\_\_\_\_  
 Partida (Customer Item): \_\_\_\_\_ Pedido Interno No (Walworth Sales Nr.): \_\_\_\_\_ Partida (Item): \_\_\_\_\_

Linea de producto (Product line):	Cast Iron	Extremos (Ends):	FF
Tipo de válvula (Type of valve):	Gate	Cuerpo (Shell):	GRAY IRON
Diámetro (Nominal diameter):	4	Iniciadores (Trim):	#E1 (BCE)
Presión clase (Pressure class):	125	Figura No (Figure Nr.):	FIG W726

Parte (Component)	Material (Material)	Colada (Heat)	COMPOSICION QUIMICA EN % (CHEMICAL COMPOSITION %)														
			% P	% S	%	%	%	%	%	%	%	%	%				
BONETE (BONNET)	ASTM_A_126_GR_B	C57B	0.044	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
CUERPO (BODY)	ASTM_A_126_GR_B	C572	0.061	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
DISCO 1 (DISC 1)	ASTM_A_126_GR_B	C57E	0.057	0.069	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)	Reducción de area (Reduction of area) (% min)	Dureza (Hardness) (Bhn)			Prueba Impacto (Impact Test) (Joules)			
							1st	2nd	AVG	1st	2nd	3rd	AVG
BONETE (BONNET)	C57B	NO APLICA	0.0000	41.7600	0	0	0	0	0	0	0	0	0
CUERPO (BODY)	C572	NO APLICA	0.0000	41.3250	0	0	0	0	0	0	0	0	0
DISCO 1 (DISC 1)	C57E	NO APLICA	0.0000	41.0350	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.)

- API 600 METAL PLUG VALVES - FLANGED, THREADED AND WELDING
- API 601 PROPER VALVE QUALIFICATION PROCEDURE
- API 602 PROPER VALVE QUALIFICATION PROCEDURE
- API 603 TYPE TESTING OF IRIS AND STEEL VALVE QUALIFICATION
- ANSI B16-10 FACE TO FACE AND END TO END DIMENSIONS OF VALVES
- ANSI B16-34 FLANGED END CONNECTIONS FOR WELDING AND THREADED
- ANSI B16-37 FLANGED END CONNECTIONS FOR WELDING AND THREADED
- ANSI B16-41 FLANGED END CONNECTIONS FOR WELDING AND THREADED
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*[Signature]*  
 Quality Assurance Department  
 Yolanda Ponciano Montoya  
 FAC-24 Rev. Original.