

No. código interno (Product Code Nr.): **AR030GA08MANA1BG**

 No. Serie (Serial Number): **V138R1546**

 Fecha (Date): **March 15, 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 STEEL	Extremos (Ends):	RAISED FACE (RF TYPE "A")	Operación (Operation):	N/A
Tipo de válvula (Type of valve):	SWING CHECK	Cuerpo (Shell):	WCB	Otros (Other requirements):	
Diámetro (Nominal diameter):	3	Interiores (Trim):	#08 (UT)		
Presión clase (Pressure class):	300	Figura No (Figure Nr.):	FIG 5344		

**COMPOSICION QUIMICA EN % (CHEMICAL COMPOSITION %)**

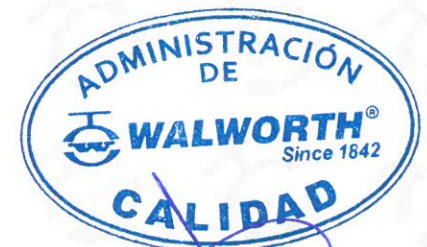
Parte (Component)	Material (Material)	Colada (Heat)	% C	% Mn	% P	% S	% Si	% Ni	% Cr	% Mo	% Cu	% V	%	%	%	%	%	%	%
CUERPO (BODY)	ASTM_A_216_GR_WCB	K0692	0.243	0.848	0.026	0.020	0.384	0.032	0.061	0.019	0.036	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DISCO 1 (DISC 1)	ASTM_A_216_GR_WCB	K0556	0.198	0.960	0.030	0.009	0.401	0.028	0.028	0.025	0.040	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TAPA 1 (CAP 1)	ASTM_A_216_GR_WCB	K0643	0.191	0.937	0.026	0.014	0.493	0.034	0.025	0.019	0.024	0.018	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 (Tensile strength) (Kpsi)	Tensión (Yield 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	
CUERPO (BODY)	K0692	(910-940) °C. NORMALIZADO ( RECOCIDO ) 650 °C ENFRIAMIENTO CON AIRE (910-940) °C. NORMALIZE ( ANNEAL ) 650 °C AIR COOL	43.9350	92.9450	42	61	147	0	0	0	0	0	0
DISCO 1 (DISC 1)	K0556	(910-940) °C. NORMALIZADO ( RECOCIDO ) 650 °C ENFRIAMIENTO CON AIRE (910-940) °C. NORMALIZE ( ANNEAL ) 650 °C AIR COOL	45.0950	73.9500	35	41	160	0	0	0	0	0	0
TAPA 1 (CAP 1)	K0643	(910-940) °C. NORMALIZADO ( RECOCIDO ) 650 °C ENFRIAMIENTO CON AIRE (910-940) °C. NORMALIZE ( ANNEAL ) 650 °C AIR COOL	45.5300	73.9500	26	38	157	0	0	0	0	0	0

**PRUEBAS DE PRESIÓN DE ACUERDO CON API 6D (PRESSURE TEST IN ACCORDANCE WITH API 6D)**

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)	1125	2 min	ACEPTADO (ACCEPTED)		
PRUEBA HIDROSTATICA SELLO 1 (HIGH PRESSURE CLOSURE SIDE 1)	815	2 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 ASME B16.34 (CAST STEEL SWING CHECK)  
 API 599 METAL PLUG VALVES - FLANGED, THREADED AND WELDING  
 API 581 PROCESS VALVE QUALIFICATION PROCEDURE  
 API 602 STEEL ISOBUTYLENE VALVES-FLANGED AND BUTT WELDING ENDS, BOLTED BONNETS  
 API 624 TYPE TESTING OF SPRING 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  
 ANSI/ASME B17.1-2001 MATERIALS FOR USE IN H2S-CONTAINING ENVIRONMENTS IN OIL AND GAS PRODUCTION  
 NACE MR0103 MATERIAL RESISTANT TO SULFIDE STRESS CRACKING IN CORROSIVE PETROLEUM ENVIRONMENT  
 MSS-SP61 PRESSURE TESTING OF STEEL VALVES

Quality Assurance Department

FAC-24 Rev. Original.