



HP Valves Oldenzaal BV

P.O. Box 151  
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The Netherlands

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Medium & high-pressure valves in  
accordance with ASME, API, BS & DIN

## COVERPAGE TO INSPECTION / TEST CERTIFICATE

Customer : CMI (HRSG + Energy Services)  
Project : Yajva SBV  
Customer P/O no : 203/2010/900588  
Shop order no : 2010 0006  
Item no : 148 / 000  
Quantity : 1 pce  
  
KKS No : 15HAD10AA144

Bank ABN-AMRO SWIFT-address ABNANL2A  
EUR-account 59.55.41.437 IBAN-code NL88ABNA0595541437  
USD-account 57.60.74.780  
Trade register Enschede 060.567.50  
VAT no NL 008671242B01

Member of Indutrade AB





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## INSPECTION / TEST CERTIFICATE

EN 10204:2004 - 3.1

Medium & high-pressure valves in  
accordance with ASME, API, BS & DIN

Customer : CMI (HRSG + Energy Services)					
Project : Yajva SBV					
Cust. P/O no : 203/2010/900588					
HP order reference : 20100006					
Item no : 148/000					
Qty	Nominal size	Description			
1 pcs	1" / DN 25	<p>Figure no : 41A01S0CAA06F</p> <p>1500 lbs piston type check valve, straight pattern, screwed cap and pressure sealed cover, body: ASTM A105N, disc: stellite, seat: stellite, cap: AISI 304, gasket: A182 F316. end-to-end: 230 mm. with SW-ends for pipe size 33,4 x 6,35mm acc. ASME B16.11</p> <p>Marking body : XY6789 Marking bonnet : 199284</p>			
Tests performed in accordance with : ASME B16.34 / API 598 / MSS SP 61					
TEST DESCRIPTION	P bar	REMARKS	TESTED	RESULTS	
SHELL TEST	389		✓	Accepted	
BACKSEAT TIGHTNESS TEST	N.A				
HIGH PRESSURE CLOSURE TEST	285	In the appropriate direction only; except for gate valves	✓	Accepted	
LOW PRESSURE CLOSURE TEST (AIR)	N.A	In the appropriate direction only; except for gate valves			
FUNCTIONAL TEST In case of actuating devices, closing and opening will be checked	Closing or opening time at 50 Hz			N.A	
DIMENSIONAL CHECK	SATISFACTORY	FUNCTIONAL CHECK	SATISFACTORY	VISUAL CHECK	SATISFACTORY
✓ = Test results were acceptable considering the applicable procedures and requirements. General inspections have confirmed that workmanship and finish are in accordance with the acceptance criteria.					
Signed HP VALVES BV :		Signed THIRD PARTY:			
		<p>HP VALVES BV QUALITY CONTROL F. WOLBERS OLDENZAAL 07-07-2010</p>			

Bank: ABN-AMRO BIC: ABNANL2A  
EUR-account: 59.55.41.437 IBAN: NL88ABNA0595541437  
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Trade register Enschede: 060.567.50  
VAT no: NL 008671242 B 01

Member of Indutrade AB



# Abnahmeprüfzeugnis EN 10 204 / 3.1

Inspection certificate  
Certificat de Réception  
Certificato Collaudo materiali

KB Schmiedetechnik GmbH, Postfach 60 02 03, 58138 Hagen

H.P. Valves B.V.

Postfach 1 51

NL - 7570 AD Oldenzaal

## KB Schmiedetechnik GmbH

Postfach 60 02 03 - 58138 Hagen-Halden  
Gesensschmiede - Zerspanungstechnik  
Telefon: 02331/3508-0, Telefax: 3508-30

Prüf-Nr. - Inspection-no. -  
Certificat No.-No. di collaudo: 090467

Blatt-Nr. - Sheet-no. - Page-No. - Pag-No.: 1 / 2

Bestell-Nr. - Order-no. - No. de la commande -  
No. dell'ordine: P091559

vom - dated - date - in data: 10.06.09

Werks-Nr. - Works-no. -  
No. usine - Commesen No.: 090467

Hersteller - Manufacturer - Fabrikant - Produttore: KB Schmiedetechnik GmbH

Prüfgegenstand - Article - Produit - Prodotto: Gesensschmiedestücke/drop forgings

Prüfgrundlagen/Anforderungen-Technical requirements/Demand-Spécifications techniques/Exigences-Norma di controllo/requisi  
F 02.15-20 Rev. 2

Werkstoff - Material - Matière - Materiale:

P 250 GH (1.0460), A 105,  
SA 105

entsprechend - according to - suivant -  
accondo:

DIN EN 10222-2, ASTM A 105,  
ASME Sect. II Part A

Ausgabe - Edition - Edizione:

04/2000, 2005,  
Edition 2007 Addenda 2008

Lieferzustand - State of delivery - Etat de livraison - Stato di fornitura:

normalgeglüht/normalized

Erschmelzungsart - Steelmaking process - Procédé d'élaboration - Procedimento di elaborazione:

E

Kennzeichnung - Marking - Marquage - Punzonatura: XY 6789  
0460

Herstellerzeichen - Brand of Manufacturer -

Marque du fabricant - Marchio del produttore:

Werkstoff - Material - Matière - Materiale:

SA 105  
H 82

Stempel des Sachverständigen - Inspector's stamp -

Policon de l'expert - Marchio del collaudatore:

Pos.-Nr. Item-No. Poste-No. No. pos.	Stückzahl Piecce number Qte Numero pezzi	Gegenstand Article Désignation du produit Tipo di prodotto	Schmelze-Nr. Heat-no. No. de coulée No Colata	Probe-Nr. Test-no. No. d'éprouvette No. di prova
3	901	Gehäuse/bodies 20-25 MM PN 640 H 82.8600.000000 KB-Art.: 08647-A.2025.001 Gesenk-Nr./die-no.: 8647 Gewicht/weight: 5,3 kg	87216	905

HP VALVES Medium & high pressure valves  
acc. ANSI, API, BS & DIN

☒ Reviewed ☐ Witnessed

F. Wolter - G.C.  
Date 20.07.09

Die gestellten Anforderungen sind lt. Anlage erfüllt. - the Requirements are  
fulfilled as per annex. - Les conditions imposées sont satisfaites suivant  
annexes. - I risultati sono conformi ai requisiti richiesti come da allegati.

58093 Hagen, Buschmühlenstr. 62

(Ort - Location - Lieu - Località)

27.07.09

(Datum - Date - data)

KB Schmiedetechnik GmbH

Der Werksachverständige - Works-surveyor

L'expert d'usine - L'ispettore del collaudo

Wolter

Anlagen - Annex - Annexes - Allegati: Ergebnis der Prüfungen - Test results - Risultati dei Test - Risultati delle Prove

**Ergebnis der Prüfungen**  
**Test Results**  
**Résultats des Essais**  
**Risultati delle Prove**

**KB Schmiedetechnik GmbH**

Postfach 60 02 03 - 58138 Hagen-Halden  
 Gesenkschmiede - Zerspanungstechnik  
 Telefon: 02331/3508-0, Telefax: 3508-30

Anlage - Annex - Annexe - Allegato

Prüf-Nr. 090467  
 Inspection No.  
 Certificat No.  
 No. di collaudo

Blatt-Nr. 2 / 2  
 Sheet-No.  
 Page No.  
 Pag No.

**Mechanische Prüfungen - Mechanical tests - Essais mécaniques - Prove meccaniche**

Prüfart - Test type - Type d'essai - Tipo di prova: Probeart - Specimen type - Type de l'éprouvette - Tipo di provetta: Probenzustand - state of delivery of specimen - traitement de l'éprouvette - Stato delle			ZUGVERSUCH RUNDPROBE DIN EN 10 002					KERBSCHLAGBIEGEVERS. KV CharpyV DIN EN 10 045			
Probe-Nr. Test No. No. d'éprouvette No. di prova	Richtung Direction Senso	Probenabmessung Dim. of specimen Dim. de l'éprouvette Dim. della provetta	Prüftemperatur Test temperature Température d'essai Temperatura di prova	Streck-/Dehngrenze Yield point/Proof stress Limite d'élasticité Lim. di snervamento	Zugfestigkeit Tensile strength Resistance à la traction Carico di rottura	Bruchdehnung Elongation Allongement Allungamento	Bruchschminderung Reduction of area Striction/Strizione	X1 = Schlagarbeit - Energy of Impact Energie de rupture - Energia di rottura [J]			
		Breite ø Width ø Largeur, ø Largh, ø						2 = Krist. Bruchanteil - Cryst. proportion Partie cristalline - Proporzione cristallina [%]			
								3 = Breitung - Expansion - Elargissement [mm]			
								Werte - Values - Valeurs - Valori			
								1	2	3	Σ / n
Anforderungen Requirements	Q L			250 ReH	485-540	22 25	30	31 44			
905	Q	10,0	20	318	495	26/28	71	1)= 161-162-160			

Warmbehandlung/Heat treatment: 910°C normalgeglüht/normalized - 1 h - Abkühlung/cooling: Luft/air

Ceq = 0,3600 %

Härteprüfung/hardness test HBW 10/3000 = 149-156

Oberflächenriß-Prüfbericht/surface-crack test-report - siehe Anlage/see annex

Besichtigung u. Ausmessung:  
 Inspection and control of dimension:  
 Examen et contrôle dimensionnel: ohne Beanstandung/without objection

Schmelze-Nr. Heat-Nu. No. Coalea Colata No.	Analyse nach Werkstoffherstellangaben analysis acc. to the data of the material manufacturer										
	C %	Si %	Mn %	P %	S %	Al %	Cu %	Cr %	Mo %	Ni %	V %
87216	0,1900	0,2400	0,7200	0,0090	0,0060	0,0270	0,3000	0,0900	0,0400	0,1200	0,0010
	Nb %										
87216	0,0020										

**KB Schmiedetechnik GmbH**

Der Werkssachverständige - Works-Surveyor  
 L'expert d'usine - L'ispettore del commessa

58093 Hagen, Buschmühlenstr. 62  
 (Ort - Location - Lieu - Localita)

27.07.09  
 (Datum - Date - data)

Wolter

## Abnahmeprüfzeugnis/inspection certificate DIN EN 10204 / 3.1

KB Schmiedetechnik GmbH  
HAGEN-HALDEN

Hagen, den 27.07.2009

Oberflächenriß-Prüfbericht  
Surface-crack test-report

Nr./no. 090467

Pos./item 3

Kommission/Com.-no.: 090467      Besteller/purchaser: H.P. Valves BV, NL-OLDENZAAL  
 Bestell-Nr./order-no.: P091559 - 10.06.2009  
 Anforderungen/requirements: F 02.15-20 Rev. 2  
 ASTM A 275 acc. ANSI B16.34 annex C / DIN EN 10228-1 QC 3

Prüfumfang/range of test:  % H            Stück geprüft/pieces tested  
 Oberfläche bearbeitet/surface machined: ☐ ja/yes      ☒ nein/no      ☒ gestrahlt/blasted  
 Warmbehandlung/heat treatment: ja/yes  
 Beurteilung/valuation: rißfrei/free of cracks

## MAGNETPULVERPRÜFUNG / magnetic particle test

Magnetisierungsart / magnetization kind: Jochmagnetisierung / yoke method  
 Selbstdurchflutung / prod method  
 Prüfgerät / test detector: UW 600 Fa. Deutsch  
 Prüfmittel / test medium: HRS 9306 - fluoreszierend / fluorescent  
 Feldstärke / field strength: > 2,5 kA/m  
 Restmagnetismus/remainer-magnetism: < 800 A/m  
 Betrachtungsbedingungen/observing conditions: Hintergrundbeleuchtung/lighting-background < 20 lx  
 Bestrahlungsstärke auf der Oberfläche/ray-treatment-strength on the surface: > 10 W/qm

Pos./ item	Gegenstand/ Produkt	Gesenk-Nr./ die-no.	Werkstoff/ material	Schmelze/ heat-no.	Kennz./ marking:
3	Gehäuse/bodies 20-25 MM PN 640 H 82.8600.000000 KB-Art.: 08647-A.2025.001  108 Stück/pieces  600 Stück/pieces  901 Stück/pieces	8647	1.0460 (S)A 105	452278  85651  87216	XY 67  XY 678  XY 6789


Sachverständiger/Inspector:

Prüfaufsicht/examination supervisor:

Hersteller/manufacture:  MPE

Unterschrift/signature

Unterschrift/signature

Level II 



# WORKSCERTIFICATE

## EN10204-3.1B

P.O. Box 151  
7570 AD Oldenzaal

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7575EJ Oldenzaal  
The Netherlands

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Internet [www.hpvalves.com](http://www.hpvalves.com)  
E-mail [info@hpvalves.com](mailto:info@hpvalves.com)

Medium & high pressure valves  
acc. ANSI, API, BS & DIN

Your order no. : -

Manufactures mark\* :

HP

Prod. No : 38366

Personal mark\* :

HPFW

Our order no. : -

Personal mark\* :

HPFG

**RESTAMPING HAS BEEN CARRIED OUT IN ACCORDANCE WITH THE ORIGINAL MARKS**

Item no.	Qty	Description	Material	Heat no.
001	218	Bonnet 20-25mm – Check / Strainer Acc. Draw. B26.3100.295820	316L	199284

Item no.	See attached certificate(s) of base material supplier(s)
001	Cert. no. 587225

\*Due to geometry it may occur that material not have been marked with personal and manufacturers mark

**VISUAL AND DIMENSIONAL INSPECTION SATISFACTORY**

Signed

HP VALVES BV  
QUALITY CONTROL  
F. WOLBERS

Date

: 19-11-2008

