

Pos.-No. 5  
TAG-no. FV 20012

Type	DN	PN/CI	Body	Plug	Seat	kvs/cv	Trim	Actuator
V726 DKVNN	150	40	1.4581/OBAB	LC XT1GG	84	110	2.4360	PB 3002C DOZC

# 1 Pc. Control valve DN 150, PN 40

Type	V726 FLOWTOP Single seat-control valve
Body	D Straight way, 3-flange
Connection type	K Flange, surface form B1 acc. to EN 1092-1
Balance	V Not balanced
Bonnet	N Standard bonnet
Stuffing box packing	N PTFE-rings live loaded
Body material no.	1.4581
Regulations for material	O PED Standard
Mat. test certificates	B EN 10204 - 3.1B (Summary of certificates)
Regulations for final test	A EN 1349 Standard (IEC-534/FCI 70-2)
Pressure and leakage	B EN 10204 - 3.1B
Plug design	L Multi-hole plug
Construction	X Soft seat (PTFE) with metallic stop
Trim equipment	C X Stream Downstream cage 1-step (for gas)
Plug guiding	1 Top guided
Characteristic	G Modified equal percentage
Flow direction	G Pressure opens the plug
Seat	84 mm
kvs-value	110 m3/h
Stroke	60 mm
Leakage rate	T CLASS VI IEC/FCI
Trim material no.	2.4360
Max. diff. pressure	40 bar
Nec. force	24325 N
Actuator	PB 3002
Spring / Range	DY 1,00 - 2,40 bar
Manual operation	O Without handwheel
Action on air failure	Z at air failure close
Nec. / Max. air supply	2,6 / 6 bar
Throttle check valve	C yellow
Positioner	SRD 991-BDNS7EA4NA+EBZG-H, Electro-pneumatic positioner, NAMUR mounted, Explosion proof II 2 G EEx ia IIC T4
Input signal	4 (Close) - 20 (Open) mA
Solenoid valve	Fab. Herion, type 2401109.4260, 24 V DC, NAMUR mounted, Explosion proof II 2 G EEx me IIC T4/T6
At current failure	Actuator exhausted
Filterregulator	FRS 923-2SK with 1 gauge
Booster relay	Booster relay, Type VSR 60
Tubing	CrNi-steel
Screwed connection	CrNi-steel
Dimension	12 mm
Screwed type	Swagelok Screwed

Oil- and greasless for oxygen  
- oil- and greaseless for oxygen (T007) - Code O  
incl. marking and with manufacturer certificate acc. point 11  
of MG-standard 06401  
Spec. Accessory

- 1/2" ANSI tubing with Swagelok screwed connection
- positioner with LCD w/Menue language in English/German/French  
(code "V01")

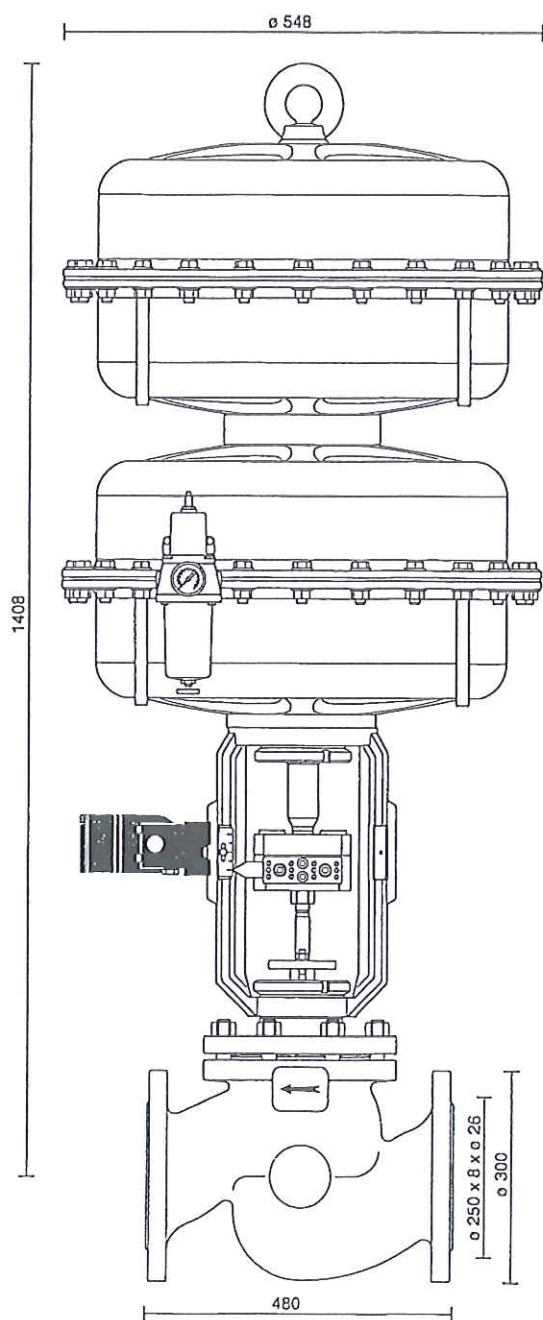
Solenoid valve with vent plug Typ Seitz, IP65, G1/4"  
Specify                      The valves offered in the attached quotation are suitable for use  
   in safety related systems  
up to SIL 4 according to IEC 61508 in accordance with TÜV test report No. V 56 2004 T1.  
The suitability of additional mounted safety related components (e.g. solenoid valve,  
   positioner) can  
be reviewed in the corresponding documents and test reports.

- Valve according to SIL 3

Project:  
 Project Nr: 4500024947  
 TAG-Nr.: FV 20012

STAN 0521337-0, Pos. 5  
 13.04.2005  
 Rappniks

Type	DN	PN/CI	Body	Plug	Seat	kvs/cv	Trim	Actuator	S
V726 DKVNN	150	40	1.4581/OBAB	LC XT1GG	84	110	2.4360	PB 3002C DOZC	



### VALVE

Type:  
 V726 FLOWTOP-Single seat-control valve  
 Body:  
 Straight way, 3-flange  
 Connection type:  
 Flange, surface form B1 acc. to EN 1092-1  
 Balance:  
 Not balanced  
 Bonnet  
 Standard bonnet

### Option

Öl & Fettfrei:

- oil- and greaseless for oxygen T007 - Code O  
 incl. marking and with manufacturer certificate acc. point 11  
 of MG-standard 06401

### Spezifikationen:

The valves offered in the attached quotation are suitable for  
 up to SIL 4 according to IEC 61508 in accordance with TÜV  
 The suitability of additional mounted safety related compone  
 be reviewed in the corresponding documents and test report

- Valve according to SIL 3

### ACTUATOR

Actuator:  
 PB 3002  
 Colour:

Manual operation:  
 without handwheel  
 failsafe position:  
 Z at air failure close

### ACCESSORY

El. Pneum. Positioner:

Fab. Foxboro Eckardt  
 type: SRD 991-BDNS7EA4NA+EBZG-H  
 protection class: II 2 G EEx ia IIC T4  
 pneum. connection: 1/4" - 18 NPT  
 elec. connection: M 20x1,5 cable diameter 6 to 12mm

### Solenoid valve:

Fab. Herion  
 type: 2401109.4260, NAMUR mounted  
 voltages: 24 V DC,  
 protection class: II 2 G EEx me IIC T4/T6

### Filterregulator:

FRS 923-2SK with 1 gauge  
 Pneum. connections :1/4"-18 NPT

### Booster relay:



Ihre Anfrage/Best. Nr. / Your inquiry/order no.: 4500024947

Tag Nr. / Tag no.

FV 20012

Stück/pc:

1

Type	DN	PN	Gehäuse / Attest	Kegel	Sitz	Kvs	Innenteile	Antrieb	S
V726 DKVNN	150	40	1.4581/OBAB	LC XT1GG	84	110	2.4360	PB 3002CDYOZC	

CE0035

ABNAHMEPRÜFZEUGNIS nach / INSPECTION CERTIFICATE acc. to EN 10204 3.1B

## PRÜFUNGEN / INSPECTIONS

Festigkeitsprüfung des Gehäusetyps / Hydrostatic shell test of the bodytype

DIN 3230-3 BA

Prüfdruck / Test pressure

60,00 bar ü

Prüfmedium / Test medium

Wasser / water

Dichtheitsprüfung des Gehäuses / Leak test of body

DIN 3230- 3BV

Prüfdruck / Test pressure

44,00 bar ü

Prüfmedium / Test medium

Stickstoff / nitrogen

Dichtheitsprüfung des Abschlusses / Seat leakage test

VDI/VDE 2174, ANSI FCI 70-2, IEC 534-4

Prüfdruck / Test pressure

3,50 bar

Prüfmedium / Test medium

Stickstoff / nitrogen

Leckageklasse / Class

VI

Funktionsprüfung / Functional test

DIN 3230-3 AQ, IEC 534-4

Sonstige Prüfungen /

Other inspections

Gemäß DGRL 97/23/EG / acc. to PED 97/23/EC

Die medienberührten Bauteile wurden gereinigt und mit UV-Licht geprüft, sind daher öl- und fettfrei und für den Sauerstoffeinsatz geeignet.

Als Gleitmittel wurde OXIGENOEX S4 (weiße Paste) mit BAM

Zertifikat verwendet.

The parts, which are in contact with the medium, are free from oil and grease.

They are cleaned and checked with UV-light and suitable for oxygen service.

Lubricant is OXIGENOEX S4 (white paste) with BAM-certificate.

Prüfergebnis / Test result

Ohne Beanstandung / without complaint

## VERWENDETE WERKSTOFF / USED MATERIALS

Abnahmeprüfzeugnisse der Werkstoffe nach EN 10204 3.1B

- gemäß beiliegender Attestaufstellung

Inspection certificate of the materials acc. to EN 10204 3.1B

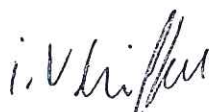
- according to the enclosed „list of material certificate“

Aufgrund der Prüfergebnisse an den Produkten der Lieferung in unserem Werk bzw. beim

Werkstofflieferanten, bestätigen wir, daß die Lieferung den Vorschriften bei der Bestellannahme entspricht.

Referring to the test result, we confirm that all delivered goods from our company resp. from subsupplier (material) are in accordance with the order instructions.

Villach, 2005-09-07/cl



Qualitätssicherung / Werksachverständiger

Quality department / Authorized representative

**ATTESTAUFSTELLUNG /  
LIST OF MATERIAL CERTIFICATES**

Fabrikations - Nr. / Serial No.:

0521337-0, Pos.5

TAG Nr. / TAG No.:

FV 20012

Bearbeitung / Produced by:

cl

Bauteil / Part	Werkstoff / Material	Charge - Nr./ Heat - No.
Gehäuse / body	1.4581	05
Aufsatz - Stopfbuchsenteil / bonnet	1.4571	62213XO
Zwischenstück / yoke		
Deckel / cover		
Überwurfflansch / separable flange		
Kopfstück / head		
Stutzen- Anschlußstück / connection piece		
Führungsstück / guid piece		
Z - Stück / z - piece		
Flansch / flange		
Einsatz / inset		
Bügel / yoke		

Die Schrauben, Muttern und Dehnhülsen werden mit den erforderlichen Werkstoffattesten gekauft.

Alle Lieferanten haben die erforderlichen Zulassungen und sind nach ISO 9001 zertifiziert.

*We purchase the screw bolts, nuts and extension sleeves with the required material certificates.*

*All our suppliers have the required approvals and the Certificate acc. to ISO 9001.*

nach EN 10 204 3.1 oder 3.2 verwendet, auch für Bauteile, die aus Gründen der Funktion und Formsteifigkeit überdimensioniert sind.

*\* For the parts of the valve body we only use materials with certificates acc. to EN 10 204 3.1 or 3.2, also for overdimensioned parts.*