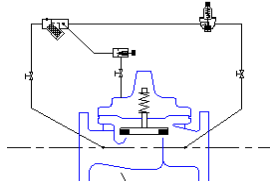
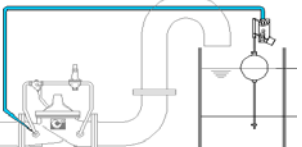
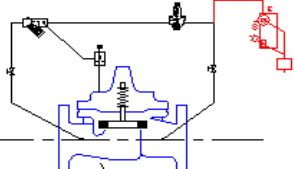
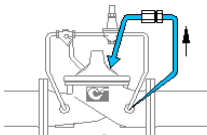
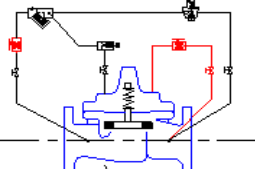
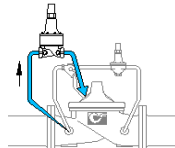
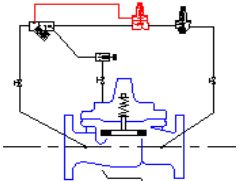
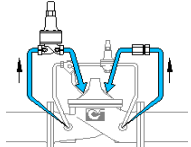
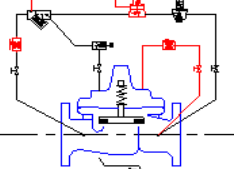
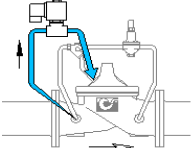
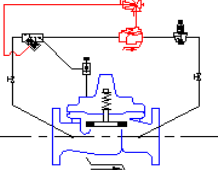
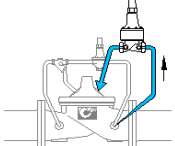
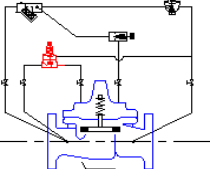
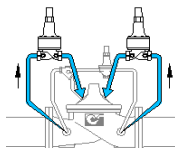
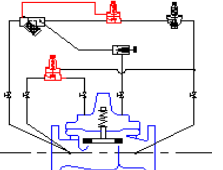


90-01	90-01 = Pressure Reducing Valve  AE/GE : DN 32 - DN 400 / NGE : DN 50 - DN 800	
90-CF9	90-CF9 = 90-01 + Float control  <i>Float Control ?</i> High level and low level reservoir control AE/GE : DN 32 - DN 400 / NGE : DN 50 - DN 800	
91-01	91-01 = 90-01 + Check valve  <i>Non return feature control ?</i> Prevent reverse flow into the pipe line AE/GE : DN 32 - DN 400 / NGE : DN 50 - DN 800	
92-01	92-01 = 90-01 + Pressure sustaining  <i>Pressure sustaining control ?</i> Sustain a minimum upstream pressure AE/GE : DN 32 - DN 400 / NGE : DN 50 - DN 800	
92-02	92-02 = 90-01 + Pressure sustaining & Check valve  <i>Pressure sustaining control ?</i> <i>Non return feature control ?</i> Sustain a minimum upstream pressure and prevent reverse flow AE/GE : DN 32 - DN 400 / NGE : DN 50 - DN 800	
93E/D-01	93E/D-01 = 90-01 + Solenoid on/off  <i>Solenoid control ?</i> Remote solenoid shut-off control AE/GE : DN 32 - DN 400 / NGE : DN 50 - DN 800	
94-01	94-01 = 90-01 + Surge control  <i>Pressure relief control ?</i> Prevent downstream surge pressure AE/GE : DN 32 - DN 400 / NGE : DN 50 - DN 800	
94-16	94-16 = 90-01 + Pressure sustaining & Surge control  <i>Pressure sustaining control ?</i> <i>Pressure relief control</i> Sustain a min. upstream pressure and prevent downstream surge pressure AE/GE : DN 32 - DN 400 / NGE : DN 50 - DN 800	

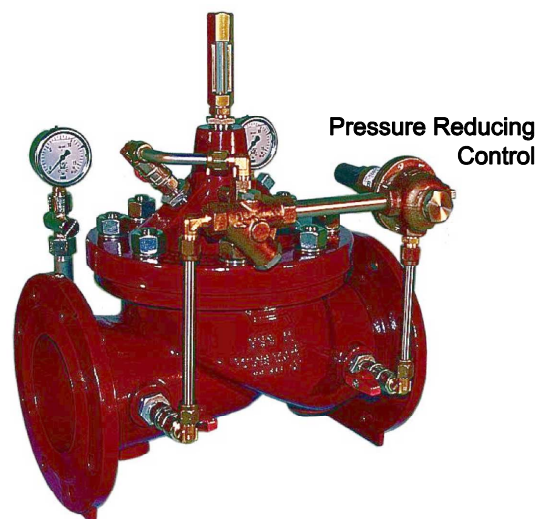
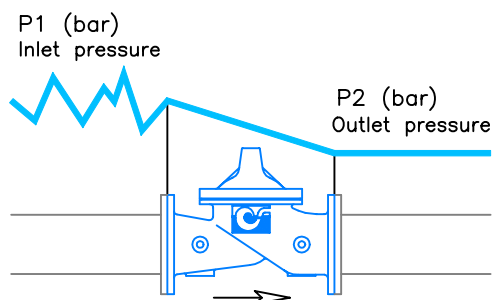
Pressure Reducing Valve



Simple, Reliable and Accurate

- Completely Automatic Operation
- Easy Adjustment and Maintenance
- Quality Approved Materials
- World Wide Support

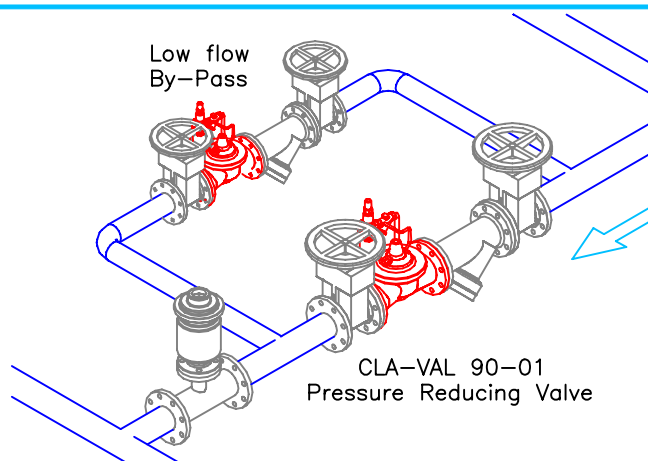
• CLA-VAL SERIES 90 : Main Function



The CLA-VAL SERIES 90 reduces a higher inlet pressure to a constant downstream pressure (Pressure Reducing Control) regardless of changing flow rate and/or varying inlet pressure.

• CLA-VAL 90-01 : Typical Application

The CLA-VAL 90-01 is designed to hold downstream pressure to a pre-determined limit.
 Typical Pressure Reducing Valve station using two valves in parallel to handle high flows and low flows.



• Usual SERIES 90 Combinations

Main Valve	100-01
Pressure Reducing Valve	90-01
90-01 + Float control	90-CF9
90-01 + Check valve	91-01
90-01 + Pressure sustaining	92-01
90-01 + Sustaining + Check	92-02
90-01 + Solenoid on/off	93E/D-01
90-01 + Surge control	94-01
90-01 + Sustaining + Surge	94-16

Other Functions : Please Contact CLA-VAL

• More Information

	Sheet #
☒ Schematic Diagram	090001FE
☒ Quick Valve Selection	000121DE
☒ Dimensions	000122DE
☒ Pressure Ratings & Materials	000123DE
☒ Specify your Valve	090001VE

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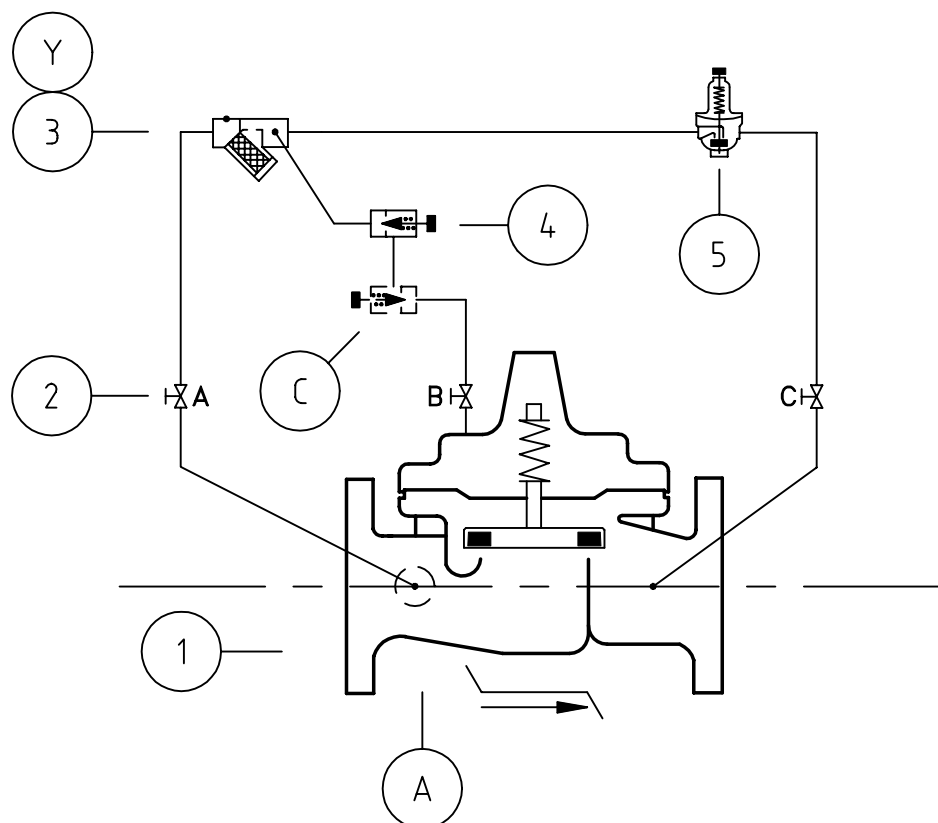
NUM.	090001	DE
REV.	A	08/99
QUA.	HvB	06/99

CLA-VAL 90-01

Downstream pressure control



PRESSURE REDUCING VALVE



OPTIONAL FEATURES

NOT FURNISHED BY CLA-VAL SA

Y	HIGH CAPACITY STRAINER	1	X43/80-EP
C	ONE-WAY FLOW CONTROL (CLOSING SPEED)	1	CV
A	FLOW CLEAN STRAINER	1	X46A

OPTIONAL FEATURES

5	PRESSURE REDUCING CONTROL	1	CRD
4	ONE-WAY FLOW CONTROL	1	CV
3	STRAINER WITH INCORPORATED ORIFICE	1	X44-A
2	ISOLATION BALL VALVE	3	RB-117
1	MAIN VALVE HYTROL AE/GE/NGE	1	100-01
No	DESCRIPTION	QTY	TYPE

STANDARD EQUIPMENT

NOTE : DN > 600 PLEASE CONTACT CLA-VAL (#) = ACCORDING TO VALVE SIZE THIS FEATURE TYPE COULD CHANGE

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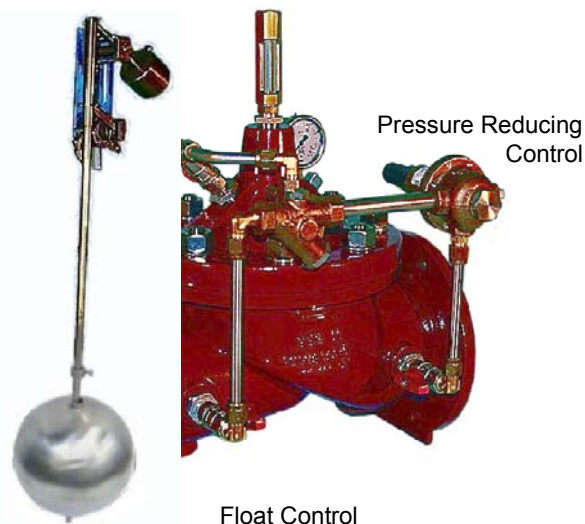
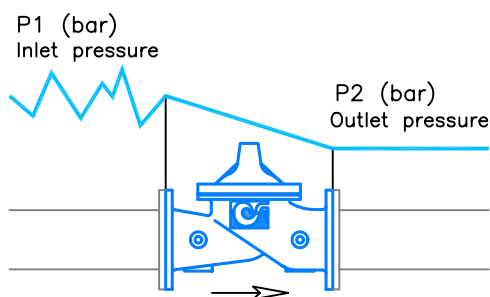
NUM.	090001FE	
REV.	B	10/96
QUA.	MD	01/84



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- Completely Automatic Operation
- Easy Adjustment and Maintenance
- Quality Approved Materials
- World Wide Support

• CLA-VAL SERIES 90 : Main Function

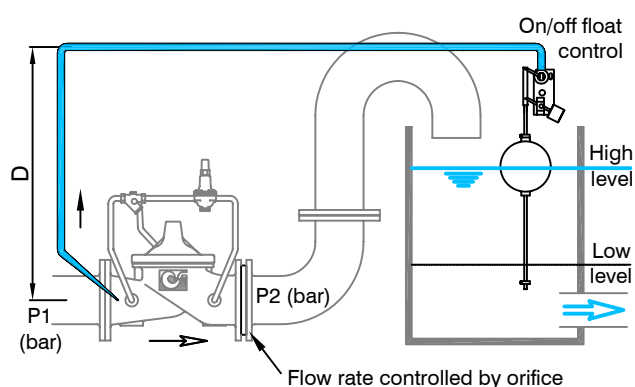


The CLA-VAL SERIES 90 reduces a higher inlet pressure to a constant downstream pressure (Pressure Reducing Control) regardless of changing flow rate and/or varying inlet pressure.

• CLA-VAL 90-CF9 : Typical Application

The CLA-VAL 90-CF9 is designed to reduce a high pressure (P1) and to open fully (On) when the liquid level reaches a preset low level and close drip tight (Off) when the level reaches a preset high level. An orifice is mounted on the outlet of the valve to prevent any cavitation and to control flow rate. The Float Control may be installed at any elevation provided P1 (expressed in length) > D.

• Why a Float Control ?



• Usual SERIES 90 Combinations

Main Valve	100-01
Pressure Reducing Valve	90-01
90-01 + Float control	90-CF9
90-01 + Check valve	91-01
90-01 + Pressure sustaining	92-01
90-01 + Sustaining + Check	92-02
90-01 + Solenoid on/off	93E/D-01
90-01 + Surge control	94-01
90-01 + Sustaining + Surge	94-16

Other Functions : Please Contact CLA-VAL

• More Information

Sheet #

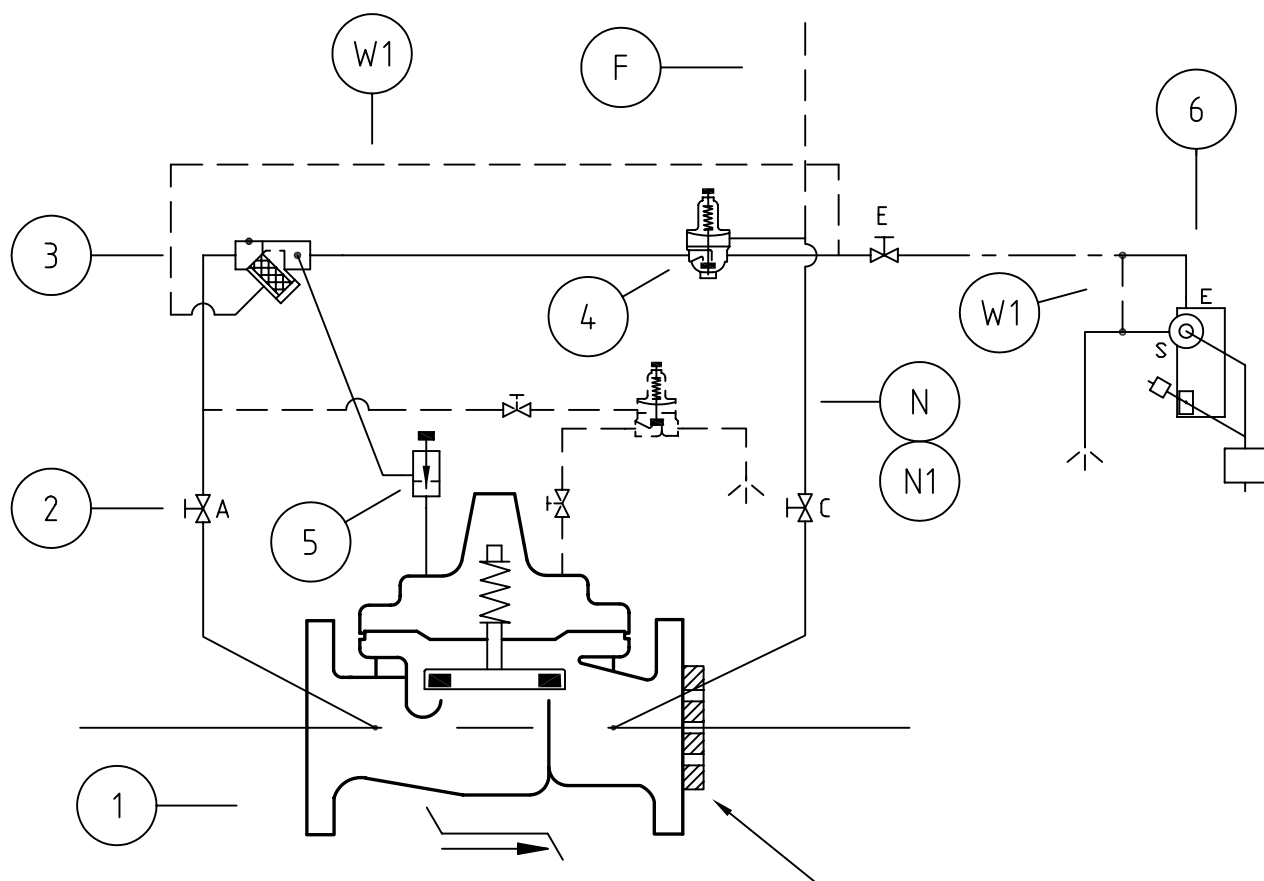
☒ Schematic Diagram	090009FE
☒ Quick Valve Selection	000121DE
☒ Dimensions	000122DE
☒ Pressure Ratings & Materials	000123DE
☒ Specify your Valve	090009VE

CLA-VAL 90-CF9

Downstream pressure control



PRESSURE REDUCING VALVE AND LEVEL CONTROL



--- OPTIONAL FEATURES
 --- NOT FURNISHED BY CLA-VAL SA

W1	ANTI-FREEZE FEATURE	1	
N1	UPSTREAM SURGE CONTROL	1	CRL
N	UPSTREAM SURGE CONTROL (DRAIN TO ATMOSPHERE)	1	CRL
F	REMOTE SENSING	1	

OPTIONAL FEATURES

6	2-WAY ON/OFF FLOAT LEVEL CONTROL	1	CF9
5	NEEDLE VALVE	1	6120
4	PRESSURE REDUCING CONTROL	1	CRA
3	STRAINER WITH INCORPORATED ORIFICE	1	X44-A
2	ISOLATION BALL VALVE	3	RB-117
1	MAIN VALVE HYTROL AE/GE/NGE	1	100-01
No	DESCRIPTION	QTY	TYPE

STANDARD EQUIPMENT

NOTE : DN > 600 PLEASE CONTACT CLA-VAL (#) = ACCORDING TO VALVE SIZE THIS FEATURE TYPE COULD CHANGE

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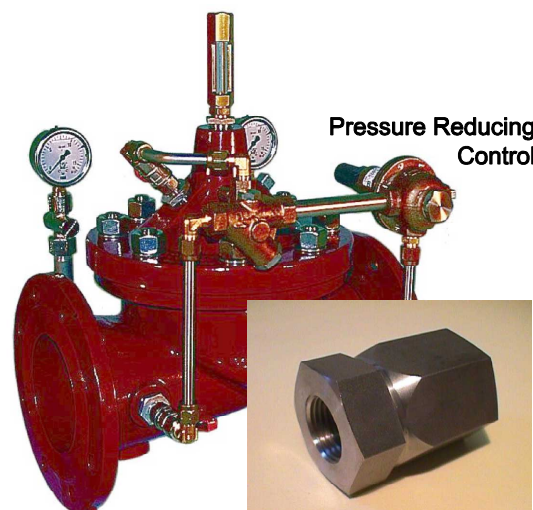
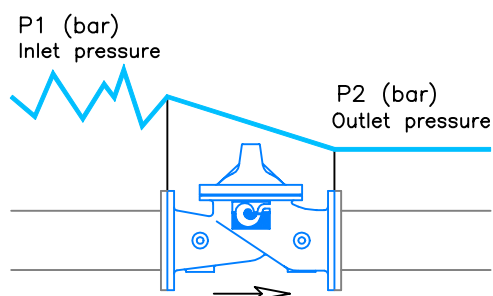
NUM.	090009 FE
REV.	D 09/03
QUA.	MD 09/03



Simple, Reliable and Accurate

- Completely Automatic Operation
- Easy Adjustment and Maintenance
- Quality Approved Materials
- World Wide Support

• CLA-VAL SERIES 90 : Main Function



Check Valve

The CLA-VAL SERIES 90 reduces a higher inlet pressure to a constant downstream pressure (Pressure Reducing Control) regardless of changing flow rate and/or varying inlet pressure.

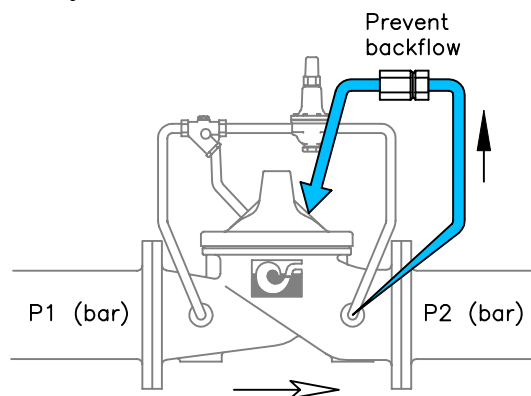
• CLA-VAL 91-01 : Typical Application

The CLA-VAL 91-01 is designed to reduce a high pressure (P1) and, when a pressure reversal occurs ($P2 > P1$), to prevent backflow through the valve.

Typical backflow occurs when the valve is installed on a pipe line linking two separate distribution systems and upstream system pressure P1 drops.

Feeding lines to high-rise buildings need also check features to prevent reverse flow.

• Why a non Return Feature Control ?



• Usual SERIES 90 Combinations

Main Valve	100-01
Pressure Reducing Valve	90-01
90-01 + Float control	90-CF9
90-01 + Check valve	91-01
90-01 + Pressure sustaining	92-01
90-01 + Sustaining + Check	92-02
90-01 + Solenoid on/off	93E/D-01
90-01 + Surge control	94-01
90-01 + Sustaining + Surge	94-16

Other Functions : Please Contact CLA-VAL

• More Information

Sheet #

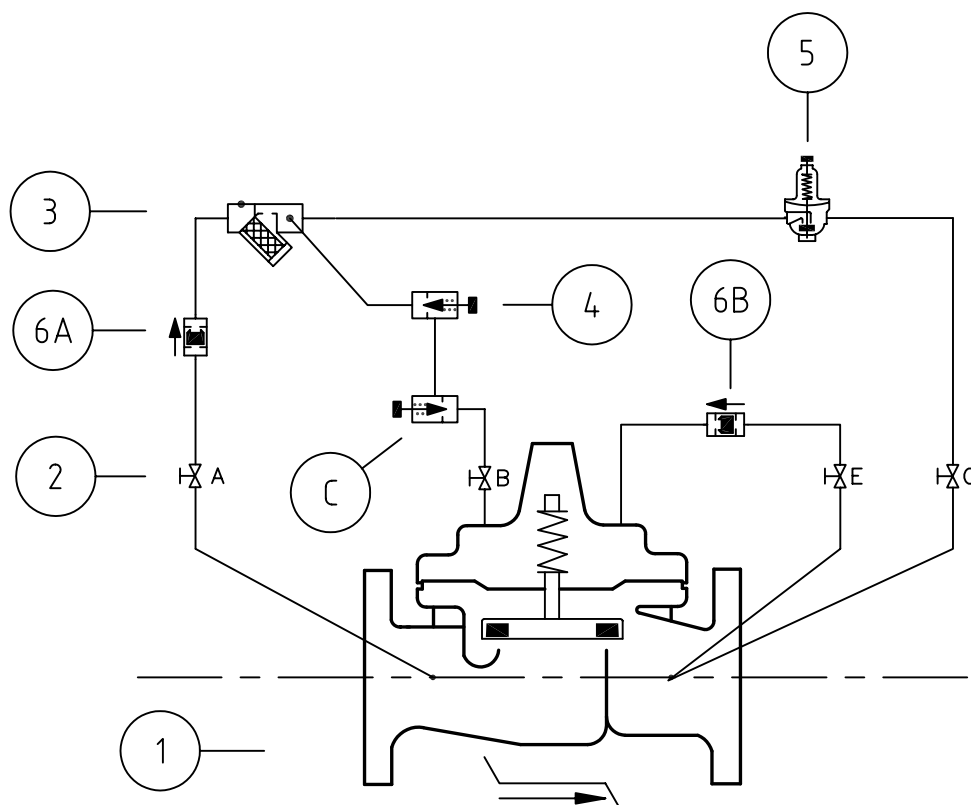
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☒	Quick Valve Selection	000121DE
☒	Dimensions	000122DE
☒	Pressure Ratings & Materials	000123DE
☒	Specify your Valve	091001VE

CLA-VAL 91-01

Downstream pressure control



PRESSURE REDUCING VALVE WITH NON-RETURN FEATURE



--- OPTIONAL FEATURES
--- NOT FURNISHED BY CLA-VAL SA

C	ONE-WAY FLOW CONTROL (CLOSING SPEED)	1	CV
---	--------------------------------------	---	----

OPTIONAL FEATURES

6	CHECK VALVE	2	CDC-1 #
5	PRESSURE REDUCING CONTROL	1	CRD
4	ONE-WAY FLOW CONTROL	1	CV
3	STRAINER WITH INCORPORATED ORIFICE	1	X44-A
2	ISOLATION BALL VALVE	4	RB-117
1	MAIN VALVE HYTROL AE/GE/NGE	1	100-01
No	DESCRIPTION	QTY	TYPE

STANDARD EQUIPMENT

NOTE : DN > 600 PLEASE CONTACT CLA-VAL (#) = ACCORDING TO VALVE SIZE THIS FEATURE TYPE COULD CHANGE

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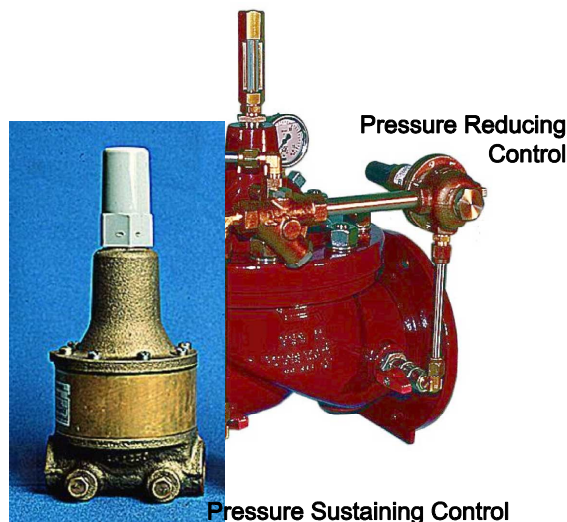
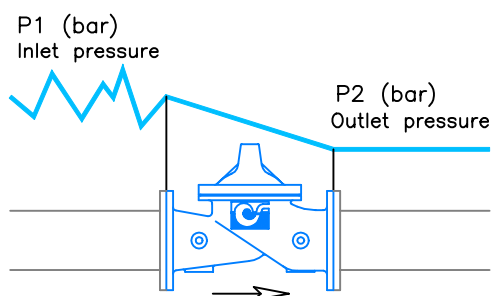
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REV.	B 08/99
QUA.	MD 08/99



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- Easy Adjustment and Maintenance
- Quality Approved Materials
- World Wide Support

• CLA-VAL SERIES 90 : Main Function

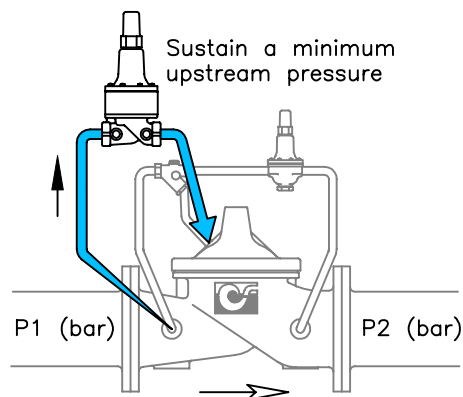


The CLA-VAL SERIES 90 reduces a higher inlet pressure to a constant downstream pressure (Pressure Reducing Control) regardless of changing flow rate and/or varying inlet pressure.

• CLA-VAL 92-01 : Typical Application

The CLA-VAL 92-01 is designed to reduce a high pressure (P1) and to sustain a minimum upstream pressure. Reducing pressure for a downstream distribution network and sustaining a minimum upstream pressure in a high pressure main and/or for an upstream distribution network is a typical application.

• Why a Pressure Sustaining Control ?



• Usual SERIES 90 Combinations

Main Valve	100-01
Pressure Reducing Valve	90-01
90-01 + Float control	90-CF9
90-01 + Check valve	91-01
90-01 + Pressure sustaining	92-01
90-01 + Sustaining + Check	92-02
90-01 + Solenoid on/off	93E/D-01
90-01 + Surge control	94-01
90-01 + Sustaining + Surge	94-16

Other Functions : Please Contact CLA-VAL

• More Information

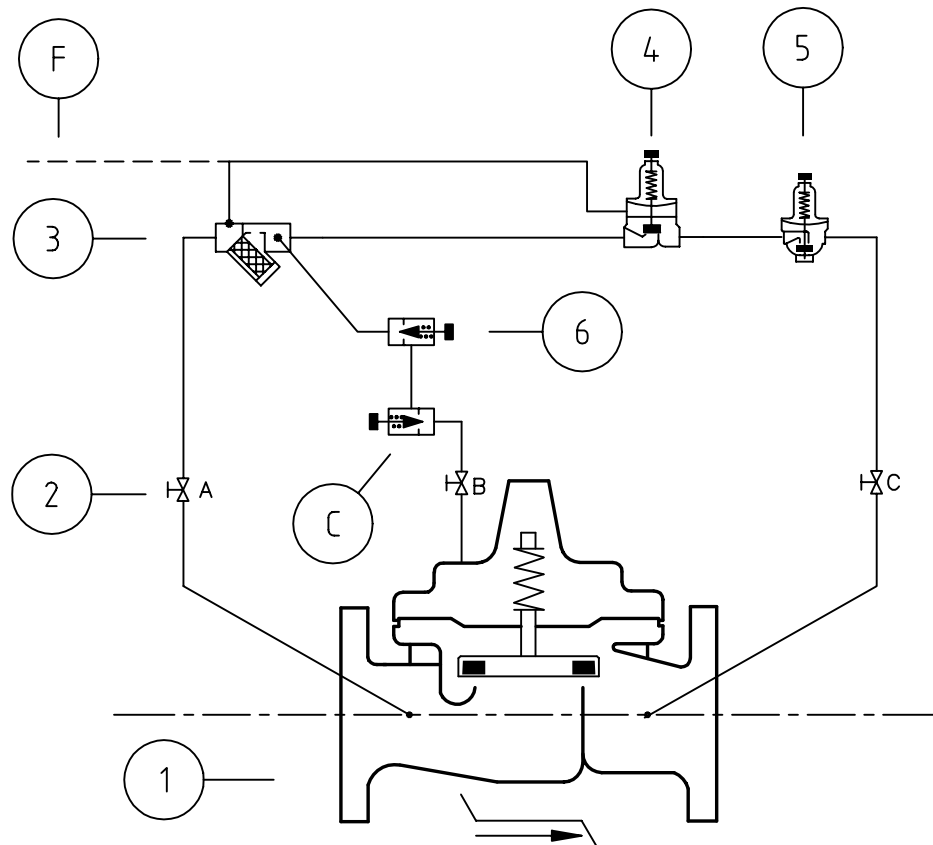
	Sheet #
☒ Schematic Diagram	092001FE
☒ Quick Valve Selection	000121DE
☒ Dimensions	000122DE
☒ Pressure Ratings & Materials	000123DE
☒ Specify your Valve	092001VE

CLA-VAL 92-01

Downstream pressure control



PRESSURE REDUCING VALVE AND UPSTREAM PRESSURE CONTROL



----- OPTIONAL FEATURES
----- NOT FURNISHED BY CLA-VAL SA

F	REMOTE SENSING		
C	ONE-WAY FLOW CONTROL (CLOSING SPEED)	1	CV

OPTIONAL FEATURES

6	ONE-WAY FLOW CONTROL	1	CV
5	PRESSURE REDUCING CONTROL	1	CRD
4	PRESSURE RELIEF CONTROL	1	CRL
3	STRAINER WITH INCORPORATED ORIFICE	1	X44-A
2	ISOLATION BALL VALVE	3	RB-117
1	MAIN VALVE HYTROL AE/GE/NGE	1	100-01
No	DESCRIPTION	QTY	TYPE

STANDARD EQUIPMENT

NOTE : DN > 600 PLEASE CONTACT CLA-VAL (#) = ACCORDING TO VALVE SIZE THIS FEATURE TYPE COULD CHANGE

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NUM.	092001FE
REV.	-
QUA.	MD 11/84

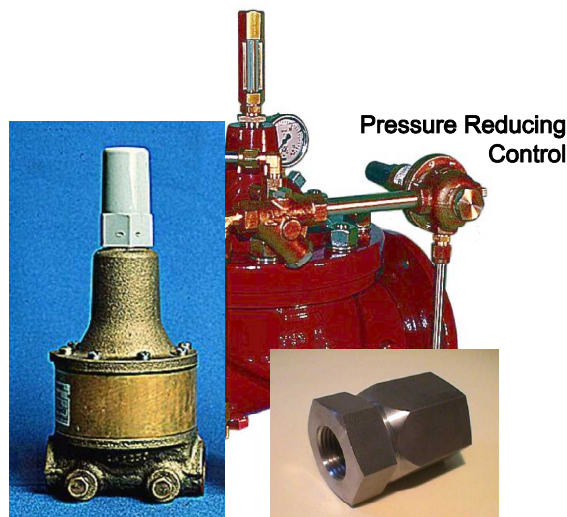
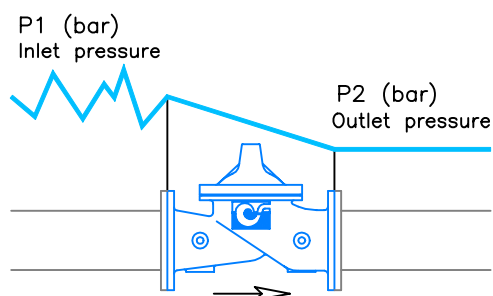
Pressure Reducing Valve and Upstream Pressure Control with non-Return Feature



Simple, Reliable and Accurate

- Completely Automatic Operation
- Easy Adjustment and Maintenance
- Quality Approved Materials
- World Wide Support

• CLA-VAL SERIES 90 : Main Function



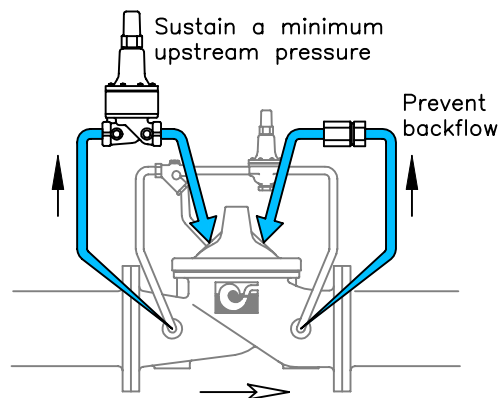
Pressure Sustaining Control Check Valve

The CLA-VAL SERIES 90 reduces a higher inlet pressure to a constant downstream pressure (Pressure Reducing Control) regardless of changing flow rate and/or varying inlet pressure.

• CLA-VAL 92-02 : Typical Application

The CLA-VAL 92-01 is designed to reduce a high pressure (P1) and to sustain a minimum upstream pressure. Reducing pressure for a downstream distribution network and sustaining a minimum upstream pressure in a high pressure main and/or for an upstream distribution network is a typical application. A Check Valve is added when a pressure reversal occurs ($P2 > P1$) to prevent backflow through the valve.

• Why a Sustaining Control and a Check Valve ?



• Usual SERIES 90 Combinations

Main Valve	100-01
Pressure Reducing Valve	90-01
90-01 + Float control	90-CF9
90-01 + Check valve	91-01
90-01 + Pressure sustaining	92-01
90-01 + Sustaining + Check	92-02
90-01 + Solenoid on/off	93E/D-01
90-01 + Surge control	94-01
90-01 + Sustaining + Surge	94-16

Other Functions : Please Contact CLA-VAL

• More Information

	Sheet #
☒ Schematic Diagram	092002FE
☒ Quick Valve Selection	000121DE
☒ Dimensions	000122DE
☒ Pressure Ratings & Materials	000123DE
☒ Specify your Valve	092002VE

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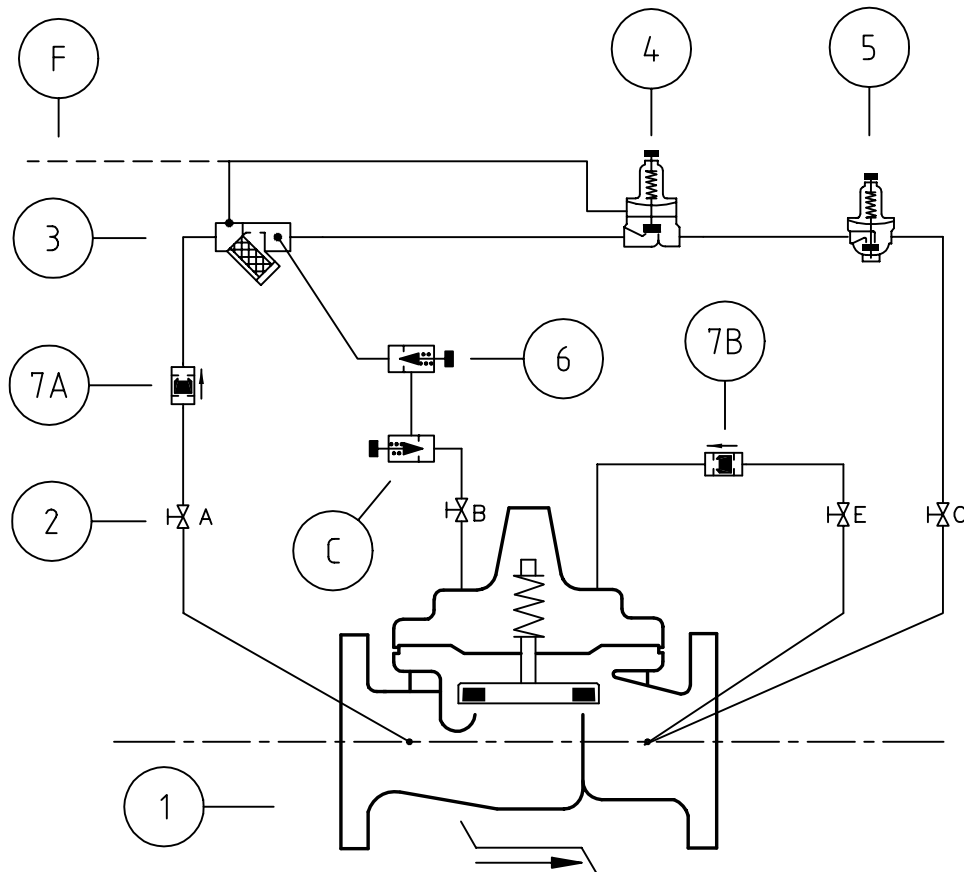
NUM.	092002 DE
REV.	A 09/99
QUA.	HvB 09/99

CLA-VAL 92-02

Downstream pressure control



PRESSURE REDUCING VALVE AND UPSTREAM PRESSURE CONTROL WITH NON-RETURN FEATURE



----- OPTIONAL FEATURES
----- NOT FURNISHED BY CLA-VAL SA

F	REMOTE SENSING		
C	ONE-WAY FLOW CONTROL (CLOSING SPEED)	1	CV

OPTIONAL FEATURES

7	CHECK VALVE	2	CDC-1
6	ONE-WAY FLOW CONTROL	1	CV
5	PRESSURE REDUCING CONTROL	1	CRD
4	PRESSURE RELIEF CONTROL	1	CRL
3	STRAINER WITH INCORPORATED ORIFICE	1	X44-A
2	ISOLATION BALL VALVE	4	RB-117
1	MAIN VALVE HYTROL AE/GE/NGE	1	100-01
No	DESCRIPTION	QTY	TYPE

STANDARD EQUIPMENT

NOTE : DN > 600 PLEASE CONTACT CLA-VAL (#) = ACCORDING TO VALVE SIZE THIS FEATURE TYPE COULD CHANGE

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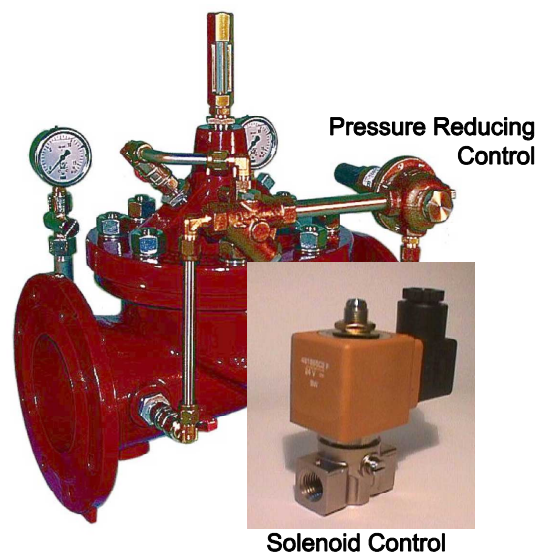
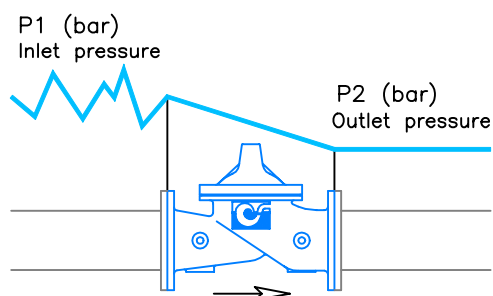
NUM.	092002FE
REV.	C 09/98
QUA.	MD 11/84



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- Quality Approved Materials
- World Wide Support

• CLA-VAL SERIES 90 : Main Function

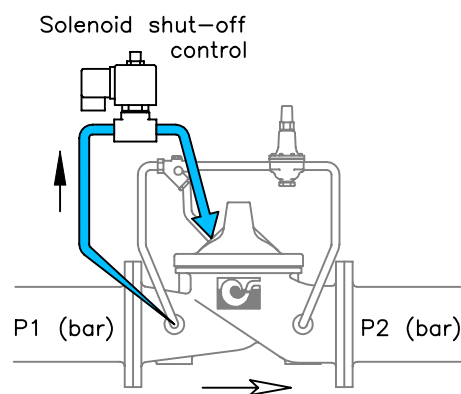


The CLA-VAL SERIES 90 reduces a higher inlet pressure to a constant downstream pressure (Pressure Reducing Control) regardless of changing flow rate and/or varying inlet pressure.

• CLA-VAL 93E/D-01 : Typical Application

The CLA-VAL 93E/D-01 is designed to reduce a high pressure (P1) while opening and closing remotely. The solenoid can be activated by an electrical signal from a timer or programmer. This valve is also used to increase pressure in a downstream area when more pressure is needed when a fire occurs.

• Why a Solenoid Control ?



• Usual SERIES 90 Combinations

Main Valve	100-01
Pressure Reducing Valve	90-01
90-01 + Float control	90-CF9
90-01 + Check valve	91-01
90-01 + Pressure sustaining	92-01
90-01 + Sustaining + Check	92-02
90-01 + Solenoid on/off	93E/D-01
90-01 + Surge control	94-01
90-01 + Sustaining + Surge	94-16

Other Functions : Please Contact CLA-VAL

• More Information

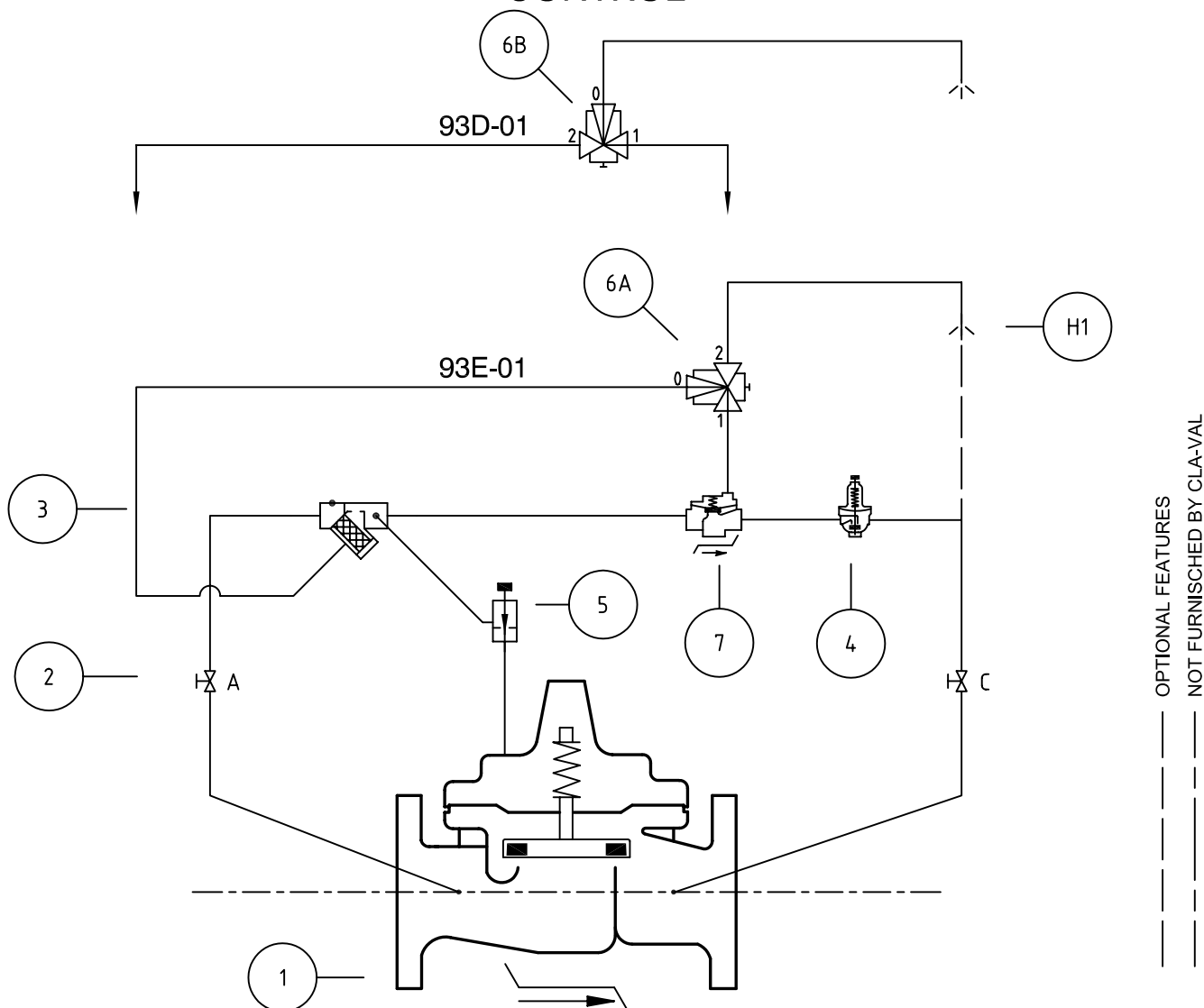
	Sheet #
☒ Schematic Diagram	093001FE
☒ Quick Valve Selection	000121DE
☒ Dimensions	000122DE
☒ Pressure Ratings & Materials	000123DE
☒ Specify your Valve	093001VE

CLA-VAL 93E/D-01

Downstream pressure control



PRESSURE REDUCING VALVE AND ELECTRICAL REMOTE CONTROL



OPTIONAL FEATURES
NOT FURNISHED BY CLA-VAL

H1	DRAIN TO MAIN VALVE OUTLET	1	
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OPTIONAL FEATURES

7	AUXILIARY VALVE HYTROL	1	100-KHR
6A	3-WAY SOLENOID VALVE (NO)	1	311-D
6B	3-WAY SOLENOID VALVE (NC)	1	311-C
5	NEEDLE VALVE	1	6120
4	PRESSURE REDUCING CONTROL	1	CRD
3	STRAINER WITH INCORPORATED ORIFICE	1	X44-A
2	ISOLATION BALL VALVE	2	RB-117
1	MAIN VALVE HYTROL AE/GE/NGE	1	100-01
No	DESCRIPTION	QTY	TYPE

STANDARD EQUIPMENT

NOTE : DN > 600 PLEASE CONTACT CLA-VAL (#) = ACCORDING TO VALVE SIZE THIS FEATURE TYPE COULD CHANGE

CLA-VAL
Switzerland

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NUM.	093001FE
REV.	C 08/99
QUA.	MD 08/99

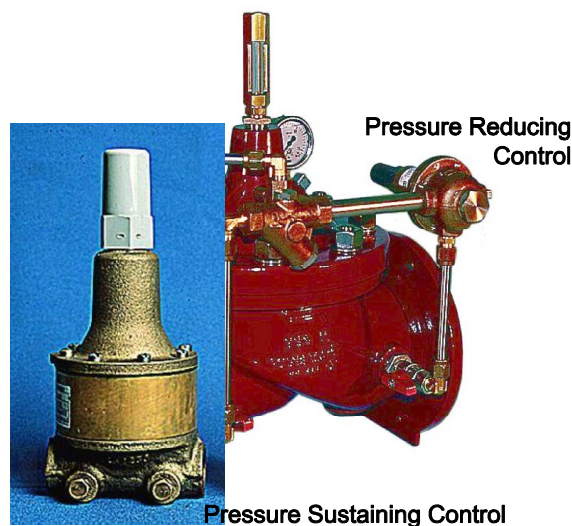
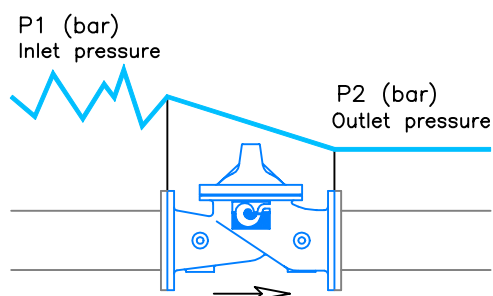
Pressure Reducing Valve and Downstream Surge Control



Simple, Reliable and Accurate

- Completely Automatic Operation
- Easy Adjustment and Maintenance
- Quality Approved Materials
- World Wide Support

• CLA-VAL SERIES 90 : Main Function

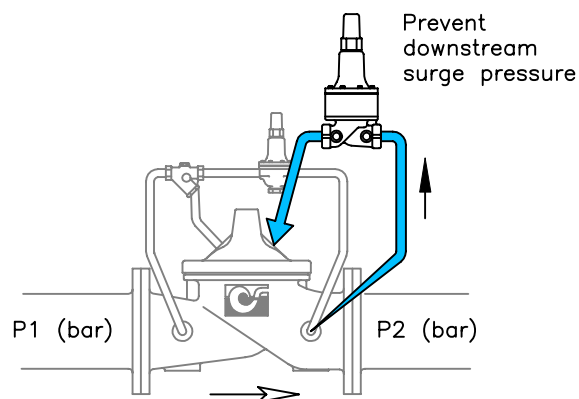


The CLA-VAL SERIES 90 reduces a higher inlet pressure to a constant downstream pressure (Pressure Reducing Control) regardless of changing flow rate and/or varying inlet pressure.

• CLA-VAL 94-01 : Typical Application

The CLA-VAL 94-01 is designed to reduce a high pressure (P1) and, when a downstream surge pressure occurs ($P2 >$ preset surge pressure), to prevent backflow through the valve. Typical application is to protect pumping equipment and pipes from dangerous pressure surge that occurs by rapid changing flow rates.

• Why a Pressure Relief Control ?



• Usual SERIES 90 Combinations

Main Valve	100-01
Pressure Reducing Valve	90-01
90-01 + Float control	90-CF9
90-01 + Check valve	91-01
90-01 + Pressure sustaining	92-01
90-01 + Sustaining + Check	92-02
90-01 + Solenoid on/off	93E/D-01
90-01 + Surge control	94-01
90-01 + Sustaining + Surge	94-16

Other Functions : Please Contact CLA-VAL

• More Information

	Sheet #
☒ Schematic Diagram	094001FE
☒ Quick Valve Selection	000121DE
☒ Dimensions	000122DE
☒ Pressure Ratings & Materials	000123DE
☒ Specify your Valve	094001VE

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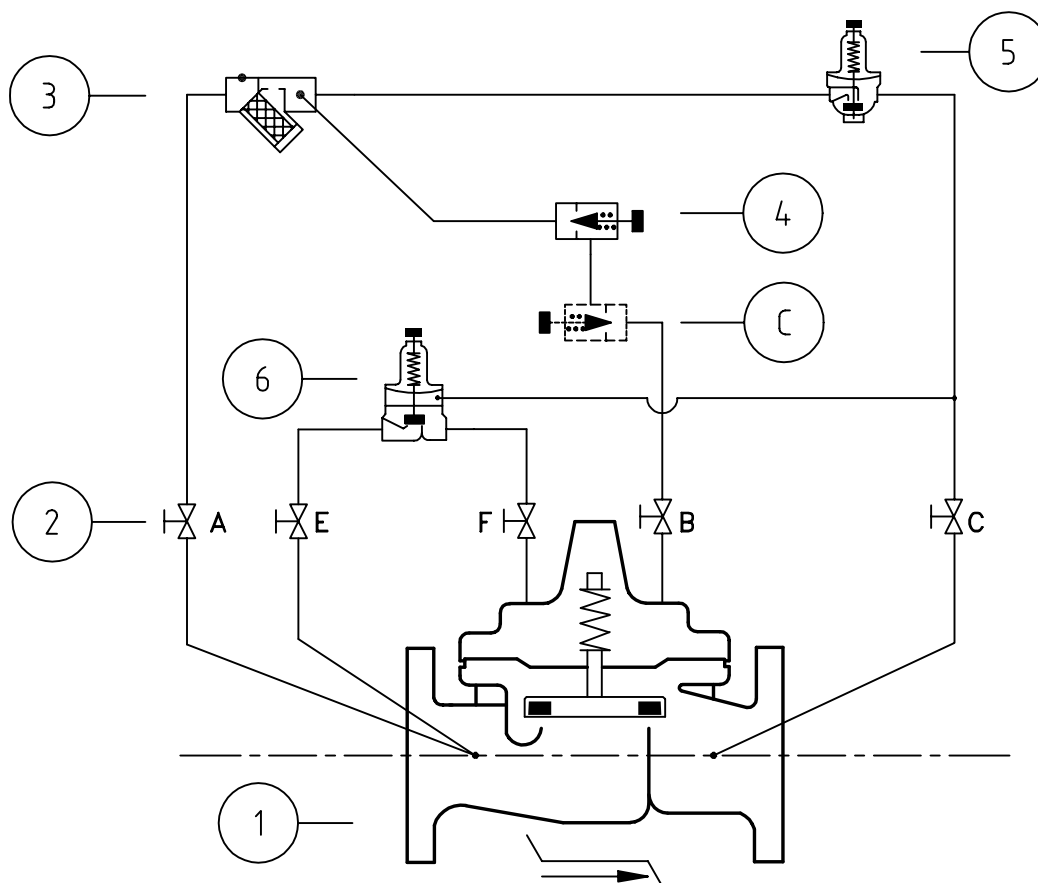
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NUM.	094001 DE
REV.	A 09/99
QUA.	HvB 09/99

Downstream pressure control



PRESSURE REDUCING VALVE AND DOWNSTREAM SURGE CONTROL



OPTIONAL FEATURES

NOT FURNISHED BY CLA-VAL SA

C	ONE-WAY FLOW CONTROL (CLOSING SPEED)	1	CV
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OPTIONAL FEATURES

6	PRESSURE RELIEF CONTROL	1	CRL
5	PRESSURE REDUCING CONTROL	1	CRD
4	ONE-WAY FLOW CONTROL	1	CV
3	STRAINER WITH INCORPORATED ORIFICE	1	X44-A
2	ISOLATION BALL VALVE	5	RB-117
1	MAIN VALVE HYTROL AE/GE/NGE	1	100-01
No	DESCRIPTION	QTY	TYPE

STANDARD EQUIPMENT

NOTE : DN > 600 PLEASE CONTACT CLA-VAL (#) = ACCORDING TO VALVE SIZE THIS FEATURE TYPE COULD CHANGE

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NUM.	094001FE	
REV.	B	09/98
QUA.	MD	02/86

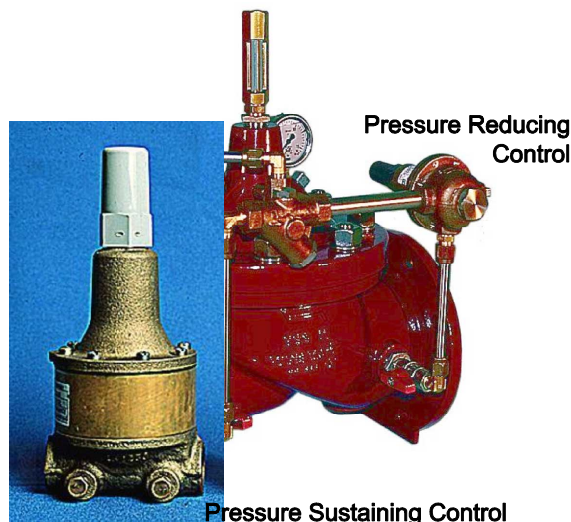
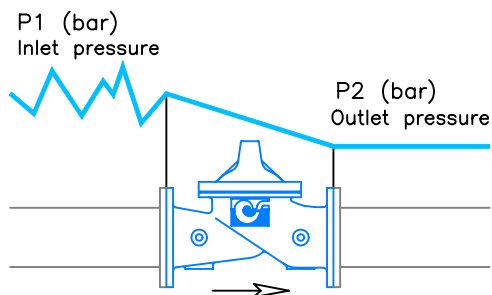
Pressure Reducing Valve Upstream and Downstream Surge Control



Simple, Reliable and Accurate

- Completely Automatic Operation
- Easy Adjustment and Maintenance
- Quality Approved Materials
- World Wide Support

• CLA-VAL SERIES 90 : Main Function



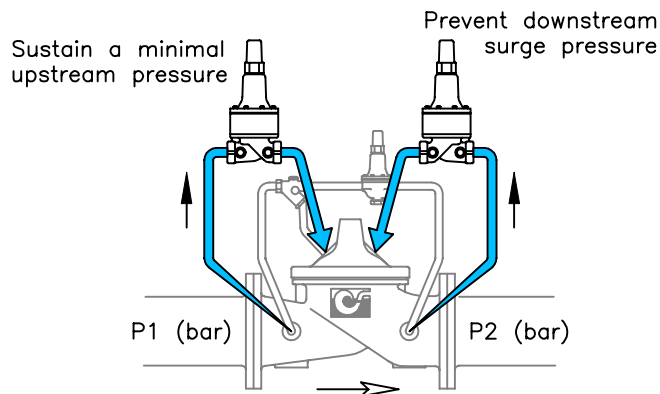
The CLA-VAL SERIES 90 reduces a higher inlet pressure to a constant downstream pressure (Pressure Reducing Control) regardless of changing flow rate and/or varying inlet pressure.

• CLA-VAL 94-01 : Typical Application

The CLA-VAL 94-16 is designed to reduce a high pressure (P1), sustain a minimal upstream pressure, and when a downstream surge pressure occurs (P2 > preset surge pressure), to prevent backflow through the valve.

Typical application is to protection pumping equipment and pipes from dangerous pressure surge that occurs by rapidly changing flow rates.

• Why a Sustaining and Relief Control ?



• Usual SERIES 90 Combinations

Main Valve	100-01
Pressure Reducing Valve	90-01
90-01 + Float control	90-CF9
90-01 + Check valve	91-01
90-01 + Pressure sustaining	92-01
90-01 + Sustaining + Check	92-02
90-01 + Solenoid on/off	93E/D-01
90-01 + Surge control	94-01
90-01 + Sustaining + Surge	94-16

Other Functions : Please Contact CLA-VAL

• More Information

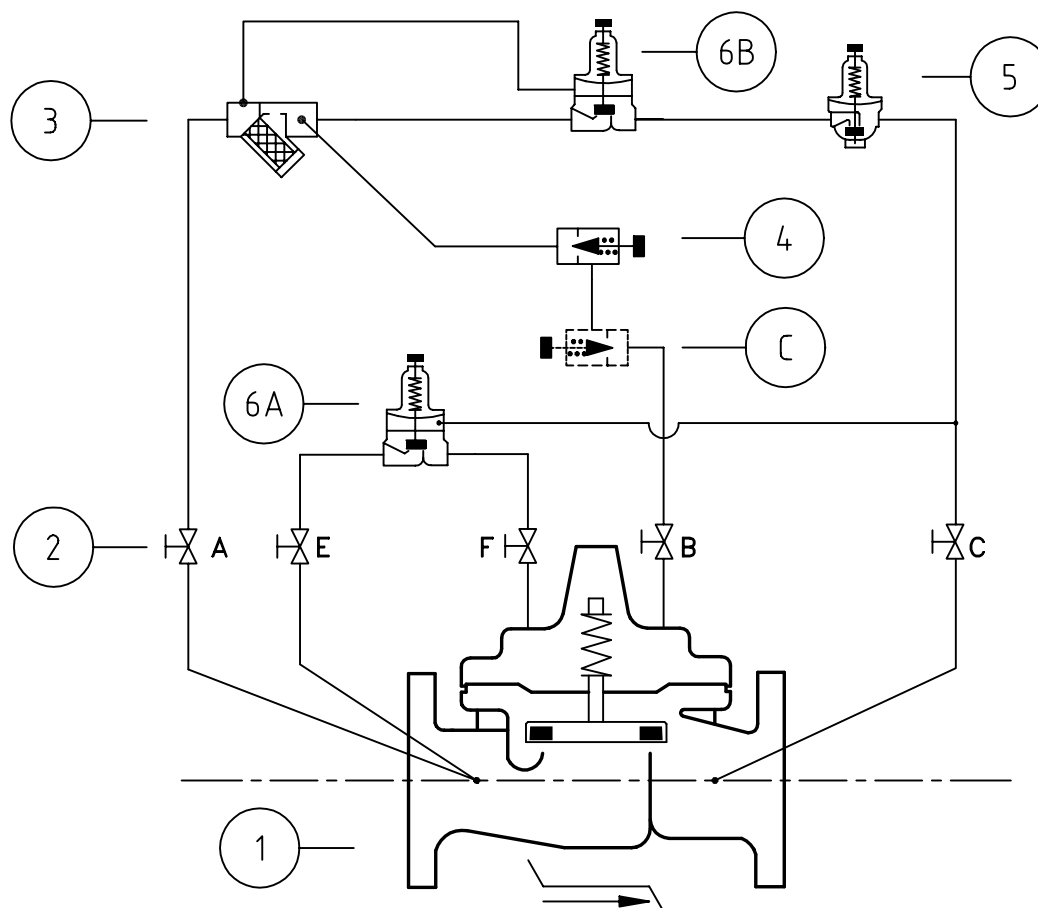
	Sheet #
☒ Schematic Diagram	094016FE
☒ Quick Valve Selection	000121DE
☒ Dimensions	000122DE
☒ Pressure Ratings & Materials	000123DE
☒ Specify your Valve	094016VE

CLA-VAL 94-16

Downstream pressure control



PRESSURE REDUCING VALVE, UPSTREAM AND DOWNSTREAM SURGE CONTROL



----- OPTIONAL FEATURES
 ----- NOT FURNISHED BY CLA-VAL SA

C	ONE-WAY FLOW CONTROL (CLOSING SPEED)	1	CV
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OPTIONAL FEATURES

6	PRESSURE RELIEF CONTROL	2	CRL
5	PRESSURE REDUCING CONTROL	1	CRD
4	ONE-WAY FLOW CONTROL	1	CV
3	STRAINER WITH INCORPORATED ORIFICE	1	X44-A
2	ISOLATION BALL VALVE	5	RB-117
1	MAIN VALVE HYTROL AE/GE/NGE	1	100-01
No	DESCRIPTION	QTY	TYPE

STANDARD EQUIPMENT

NOTE : DN > 600 PLEASE CONTACT CLA-VAL (#) = ACCORDING TO VALVE SIZE THIS FEATURE TYPE COULD CHANGE

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NUM.	094016FE
REV.	C 03/99
QUA.	MD 03/99

PRESSURE REDUCING VALVE - DRUCKREDUZIERVERTIL - REGULATEUR DE PRESSION AVAL

STANDARD PN 10/16: PILOTS / STEUERSYSTEM / PILOTES												
Type	CLA-VAL No.	Standard	Rp	DN	90-01	90-CF9	91-01	92-01	92-02	93E/D	94-01	94-16
CRD	SOL090-006	2.1 - 21.0 bar	3/8"	DN 50-600	5		5	5	5	4	5	5
CRL	SOL050-002	1.4 - 14.0 bar	1/2"	DN 50-600				4	4		6	6 A-B
CRA	SOL092-003	2.1 - 21.0 bar	3/8"	DN 50-600		4						
CF9	57771-101	1 m	1/2"	DN 50-600		6						
100-KHR	100-01-727F	-	3/8"	DN 50-600						7		
CDC-1	57649-02	-	3/8"	DN 50-100			6 B		7 B			
				DN 50-600			6 A		7 A			
CDC-1	57649-05	-	1/2"	DN 150-200			6 B		7 B			
IT-100	CLL01004	-	3/4"	DN 250-600			6 B		7 B			
311-C	EVL220/50IP65-30LNI	230 V / 50 Hz	1/4"-1/8"	DN 50-600						6 B		
311-D	EVL220/50IP65-30LNI	230 V / 50 Hz	1/4"-1/8"	DN 50-600						6 A		
CV	97015-01A	-	3/8"	DN 50-600	4		4	6	6		4	4
6120	RPT2021	Var	3/8"	DN 50-300		5				5		
6120	RPT3021	Var	1/2"	DN 350-600		5				5		
X44-A1	FLB4432-01	3.2 / 1.6 mm	3/8"	DN 50-600	3		3				3	
X44-A3	FLB4432-30	3.2 / 1.6 mm	3/8"	DN 50-600		3		3	3			3
X44-A3	FLB4432-31	3.2 / 0.2 mm	3/8"	DN 50-600						3		
RB-117	RBL2001	-	3/8"	DN 50-80							2 E-F	2 E-F
				DN 50-100			2 E		2 E			
				DN 50-300	2 A-B-C	2 A-C	2 A-B-C	2 A-B-C	2 A-B-C	2 A-C	2 A-B-C	2 A-B-C
				DN 50-600								
RB-117	RBL3001	-	1/2"	DN 50-80								
				DN 50-600		2 E						
				DN 100-350							2 E-F	2 E-F
				DN 100-600								
				DN 150-200			2 E		2 E			
				DN 350-600	2 A-B-C	2 A-C	2 A-B-C	2 A-B-C	2 A-B-C	2 A-C	2 ABCEF	2 ABCEF
RB-117	RBL4001	-	3/4"	DN 50-600								
				DN 250-600			2 E		2 E			
RB-117	RBL6001	-	1"	DN 125-600								
				DN 250-600								

DN > 600: consult Cla-Val / DN > 600: Cla-Val ansprechen / DN > 600: contacter Cla-Val

STANDARD PN 25: PILOTS / STEUERSYSTEM / PILOTES												
Type	CLA-VAL No.	Standard	Rp	DN	90-01	90-CF9	91-01	92-01	92-02	93E/D	94-01	94-16
CRD/KX1	SOL090-005	2.1 - 21.0 bar	3/8"	DN 50-600	5		5	5	5	4	5	5
CRL 7-21	SOL050-003	7.0 - 21.0 bar	1/2"	DN 50-600				4	4		6	6 A-B
CRA/KX1	SOL092-006	2.1 - 21.0 bar	3/8"	DN 50-600		4						

CLA-VAL NGE 90 : OPTIONAL FEATURES / SPEZIELLE AUSFÜHRUNG / OPTIONS		
Option W1	/ W1	Anti-freeze feature / Frostschutzvorrichtung / Dispositif anti-gel
Option Y	/ Y	High capacity strainer / Hochkapazitätsfilter / Filtre haute capacité
Option C	/ C	One-way flow control (closing speed) / Einweg Nadelventil (Schliessgeschwindigkeit) / Robinet (fermeture)
Option H1	/ H1	Drain to main valve outlet / Ablass in den Hauptventilsausgang / Décharge à la sortie de la vanne de base
Option F	/ F	Remote sensing / Entfernte Druckmessung / Mesure de pression à distance
Option A	/ A	Flow clean strainer / Selbstreinigender Innenfilter / Filtre interne auto-nettoyant

Other combinations consult Cla-Val / Weitere Varianten Cla-Val ansprechen / Autres combinaisons contacter Cla-Val

CLA-VAL
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NUM.	09000NTT	
REV.	-	-
QUA.	HvB	09/01

PRESSURE REDUCING VALVE - DRUCKREDUZIERVENTIL - REGULATEUR DE PRESSION AVAL

STANDARD PN 10/16: PILOTS / STEUERSYSTEM / PILOTES												
Type	CLA-VAL No.	Standard	Rp	DN	90-01	90-CF9	91-01	92-01	92-02	93E/D	94-01	94-16
CRD	SOL090-006	2.1 - 21.0 bar	3/8"	DN 32-400	5		5	5	5	4	5	5
CRL	SOL050-002	1.4 - 14.0 bar	1/2"	DN 32-400				4	4		6	6 A-B
CRA	SOL092-003	2.1 - 21.0 bar	3/8"	DN 32-400		4						
CF9	57771-101	1 m	1/2"	DN 32-400		6						
100-KHR	100-01-727F	-	3/8"	DN 32-400						7		
CDC-1	57649-02	-	3/8"	DN 32-80			6 B		7 B			
				DN 32-400			6 A		7 A			
CDC-1	57649-05	-	1/2"	DN 100-150			6 B		7 B			
IT-100	CLL01004	-	3/4"	DN 200-400			6 B		7 B			
311-C	EVL220/50IP65-30LNI	230 V / 50 Hz	1/4"-1/8"	DN 32-400						6 B		
311-D	EVL220/50IP65-30LNI	230 V / 50 Hz	1/4"-1/8"	DN 32-400						6 A		
CV	97015-01A	-	3/8"	DN 32-400	4		4	6	6		4	4
6120	RPT2021	Var	3/8"	DN 32-300		5				5		
6120	RPT3021	Var	1/2"	DN 400		5				5		
X44-A1	FLB4432-01	3.2 / 1.6 mm	3/8"	DN 32-400	3		3				3	
X44-A3	FLB4432-30	3.2 / 1.6 mm	3/8"	DN 32-400		3		3	3			3
X44-A3	FLB4432-31	3.2 / 0.2 mm	3/8"	DN 32-400						3		
RB-117	RBL2001	-	3/8"	DN 32-50							2 E-F	2 E-F
				DN 32-80			2 E		2 E			
				DN 32-300	2 A-B-C	2 A-C	2 A-B-C	2 A-B-C	2 A-B-C	2 A-C	2 A-B-C	2 A-B-C
				DN 32-400								
RB-117	RBL3001	-	1/2"	DN 32-50								
				DN 32-400		2 E						
				DN 80-300							2 E-F	2 E-F
				DN 65-400								
				DN 100-150			2 E		2 E			
				DN 400	2 A-B-C	2 A-C	2 A-B-C	2 A-B-C	2 A-B-C	2 A-C	2 ABCEF	2 ABCEF
RB-117	RBL4001	-	3/4"	DN 32-400								
				DN 200-400			2 E		2 E			
RB-117	RBL6001	-	1"	DN 100-400								
				DN 200-400								

STANDARD PN 25: PILOTS / STEUERSYSTEM / PILOTES												
Type	CLA-VAL No.	Standard	Rp	DN	90-01	90-CF9	91-01	92-01	92-02	93E/D	94-01	94-16
CRD/KX1	SOL090-005	2.1 - 21.0 bar	3/8"	DN 32-400	5		5	5	5	4	5	5
CRL 7-21	SOL050-003	7.0 - 21.0 bar	1/2"	DN 32-400				4	4		6	6 A-B
CRA/KX1	SOL092-006	2.1 - 21.0 bar	3/8"	DN 32-400		4						

CLA-VAL AE/GE 90 : OPTIONAL FEATURES / SPEZIELLE AUSFÜHRUNG / OPTIONS		
Option W1	/ W1	Anti-freeze feature / Frostschutzvorrichtung / Dispositif anti-gel
Option Y	/ Y	High capacity strainer / Hochkapazitätsfilter / Filtre haute capacité
Option C	/ C	One-way flow control (closing speed) / Einweg Nadelventil (Schliessgeschwindigkeit) / Robinet (fermeture)
Option H1	/ H1	Drain to main valve outlet / Ablass in den Hauptventilsausgang / Décharge à la sortie de la vanne de base
Option F	/ F	Remote sensing / Entfernte Druckmessung / Mesure de pression à distance
Option A	/ A	Flow clean strainer / Selbstreinigender Innenfilter / Filtre interne auto-nettoyant

Other combinations consult Cla-Val / Weitere Varianten Cla-Val ansprechen / Autres combinaisons contacter Cla-Val

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NUM.	09000GTT	
REV.	-	-
QUA.	HvB	09/01