

CODE	DESCRIPTION
4200-2164	PICV valve with P/T plugs, DN50 PN16 flanged, max flow rate 15000 L/H
4200-2183	PICV valve with P/T plugs, DN50 PN16 flanged, max flow rate 24000 L/H
4200-2184	PICV valve with P/T plugs, DN65 PN16 flanged, max flow rate 25000 L/H
4200-2185	PICV valve with P/T plugs, DN65 PN16 flanged, max flow rate 35000 L/H
4200-2186	PICV valve with P/T plugs, DN80 PN16 flanged, max flow rate 34000 L/H
4200-2187	PICV valve with P/T plugs, DN80 PN16 flanged, max flow rate 43000 L/H
4200-2217	PICV valve with P/T plugs, DN100 PN16 flanged, max flow rate 70000 L/H
4200-2218	PICV valve with P/T plugs, DN100 PN16 flanged, max flow rate 90000 L/H
4200-2613	PICV valve with P/T plugs, DN125 PN16 flanged, max flow rate 110000 L/H
4200-2614	PICV valve with P/T plugs, DN125 PN16 flanged, max flow rate 135000 L/H
4200-2615	PICV valve with P/T plugs, DN150 PN16 flanged, max flow rate 148000 L/H
4200-2616	PICV valve with P/T plugs, DN150 PN16 flanged, max flow rate 195000 L/H

INTRODUCTION

Control pressure independent control valves are used in heating and cooling systems in applications with Air Handling Units, Heat Exchangers or Mixing Circuits. PICVs provide modulating control with full authority regardless of any fluctuations in the differential pressure of the system.

These are special valves combining an externally adjustable automatic balancing valve, a differential pressure control valve and a full authority modulating control valve.

Presetting is a user-friendly operation, achievable on site following pre-set curves on pages 3 and 4.

Presetting scale is not accessible when the actuator is mounted.

Once the flow is set, the actuator can be mounted and the valve is ready to operate.



Regardless of pressure fluctuations in the system, the maximum flow is kept constant up to a maximum differential pressure of 600kPa.

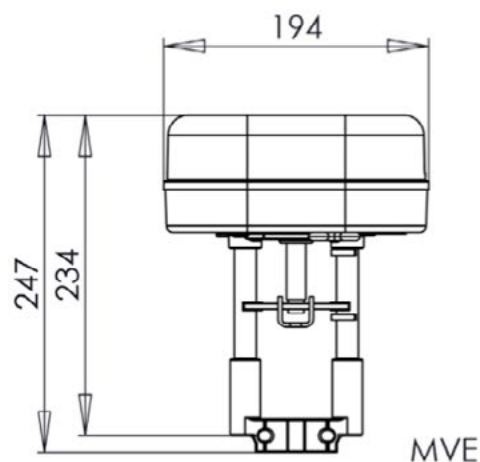
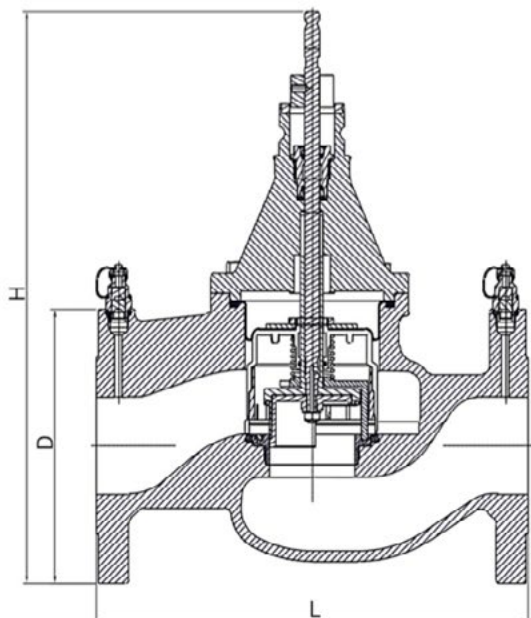


TECHNICAL DATA DN50 - DN80

Valve housing:	GJL-250 PN16
DP controller:	Stainless steel
Spring:	Stainless steel
Diaphragm:	Reinforced EPDM
O-ring	EPDM
Pressure class:	PN16
Stroke:	20 mm
Flange connections:	ISO 7005-2 / EN 1092-2
Max. differential pressure:	600 kPa
Medium temperature range:	0°C to 120°C

TECHNICAL DATA DN100 - DN150

Valve housing DN100 - DN150:	GJL-400 PN16/PN25
Valve housing DN125:	GJL-250 PN16
DP controller:	Stainless steel
Spring:	Stainless steel
Diaphragm:	Reinforced EPDM
O-ring	EPDM
Pressure class:	PN16/25
Stroke DN100 - DN125:	40 mm
Stroke DN150:	43 mm
Flange connections:	ISO 7005-2 / EN 1092-2
Max. differential pressure:	600 kPa
Medium temperature range:	
DN100 - DN125	0°C to 120°C
DN150	0°C to 110°C



DIMENSION & WEIGHT DN50 - DN150

Valve Size		DN50	DN65	DN80	DN100	DN125	DN150
Dimensions (mm)		ISO	ISO	ISO	ISO	ISO	ISO
	H	347	384	413	539	608	676
	L	230	290	310	350	400	480
Weight (Kg)	PN16	13.9	18.5	24.8	48.5	69.7	96.1

FLOW

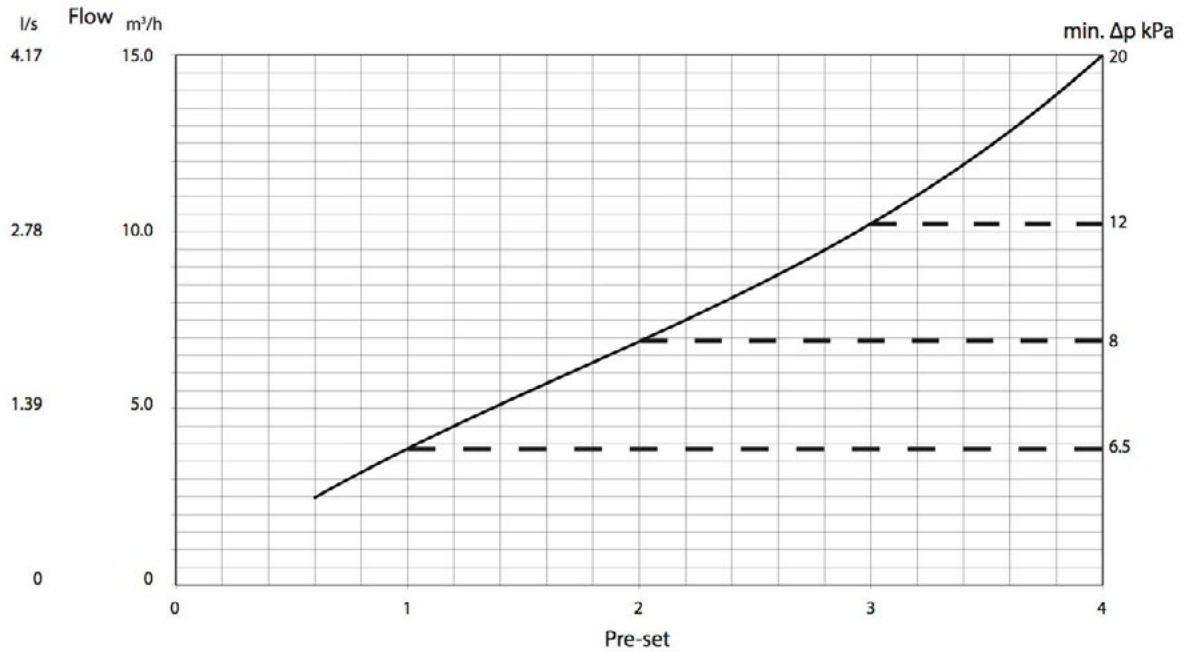
Valve Size		DN50		DN65		DN80		DN100		DN125		DN150	
Type Cartridge		LF	HF	LF	HF	LF	HF	LF	HF	LF	HF	LF	HF
Flow	l/h	2480 - 15000	3920 - 24000	4380 - 25000	5950 - 35000	5340 - 34000	7020 - 43000	10500 - 70000	16500 - 90000	18500 - 110000	23000 - 135000	25600 - 148000	32000 - 195000
	l/s	0.689 - 4.167	1.089 - 6.667	1.216 - 6.945	1.654 - 9.724	1.484 - 9.450	1.951 - 11.954	2.917 - 19.444	3.750 - 25	5.139 - 30.556	6.389 - 37.5	7.111 - 41.110	8.889 - 54.168
	gpm	10.92 - 66.03	17.28 - 105.65	19.27 - 110.06	26.21 - 154.11	25.53 - 149.78	30.92 - 189.47	46.23 - 308.20	59.44 - 396.26	81.45 - 484.32	101.26 - 594.39	112.71 - 651.59	140.89 - 858.56

TECHNICAL DATA ACTUATORS

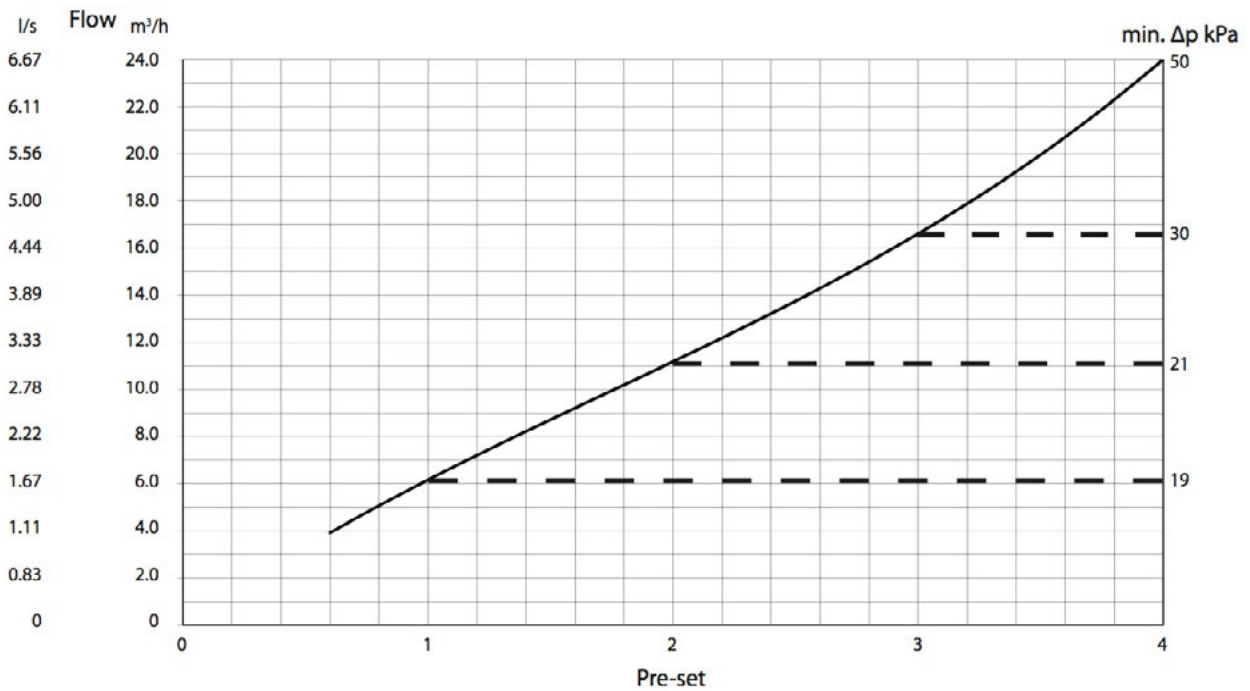
Model: MVE510
Description: electro-mechanical actuator with modulating and floating control signal
Power supply: 24 Vac/Vdc
Frequency: 50-60 Hz
Control signal: 0-10 Vdc, 4-20 mA, 3 position
Feedback signal: 2-10 Vdc
Force: 1000 N
Stroke max.: 60 mm
Running time: 5-15 mm 15 sec;
 15-25 mm 20 sec;
 25-60 mm 30 sec
Protection class: IP 54
For valves: DN50 to DN100

Model: MVE515
Description: electro-mechanical actuator with modulating and floating control signal
Power supply: 24 Vac/Vdc
Frequency: 50-60 Hz
Control signal: 0-10 Vdc, 4-20 mA, 3 position
Feedback signal: 2-10 Vdc
Force: 1500 N
Stroke max.: 60 mm
Running time: 5-15 mm 15 sec;
 15-25 mm 20 sec;
 25-60 mm 30 sec
Protection class: IP 54
For valves: DN125 and DN150

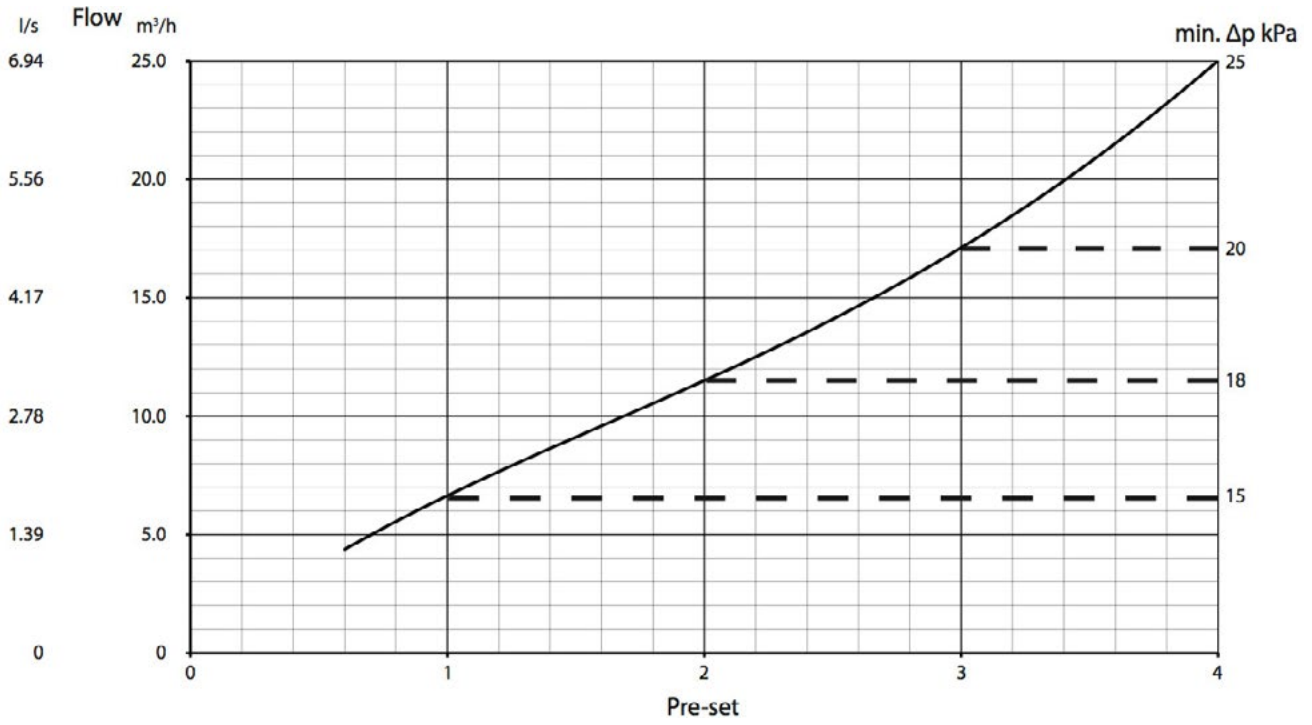
DN50 LOW FLOW



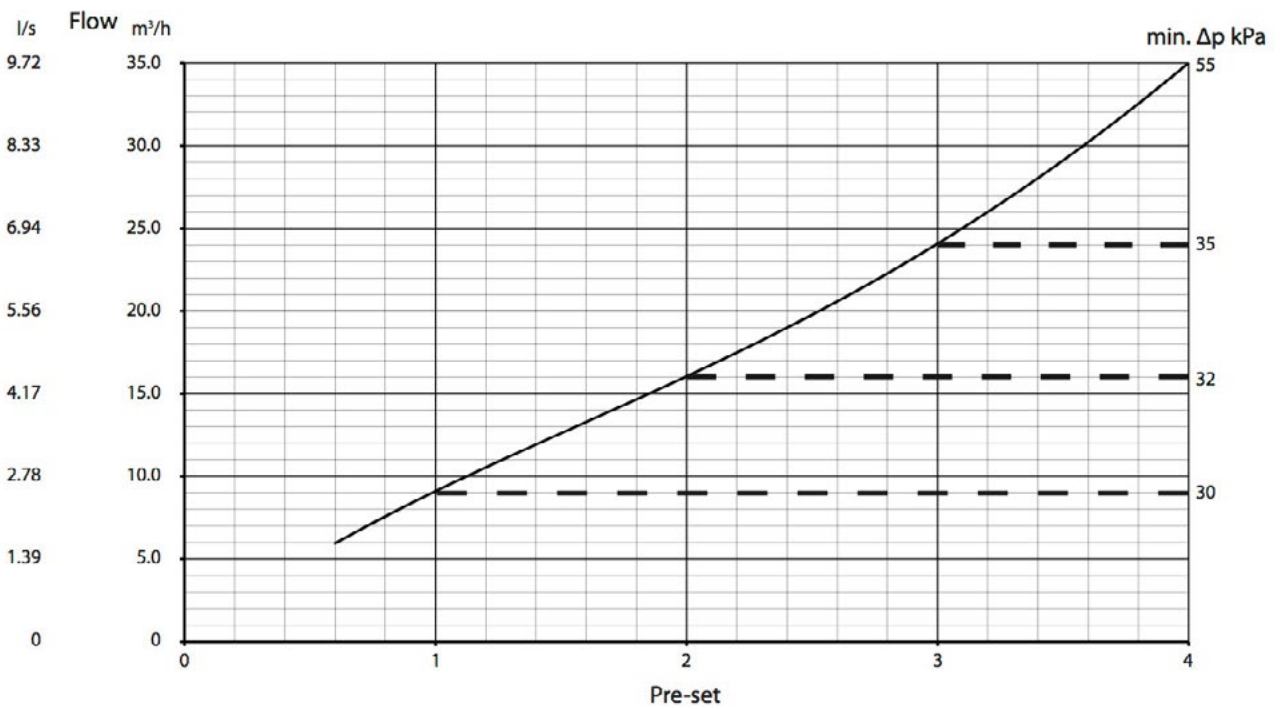
DN50 HIGH FLOW



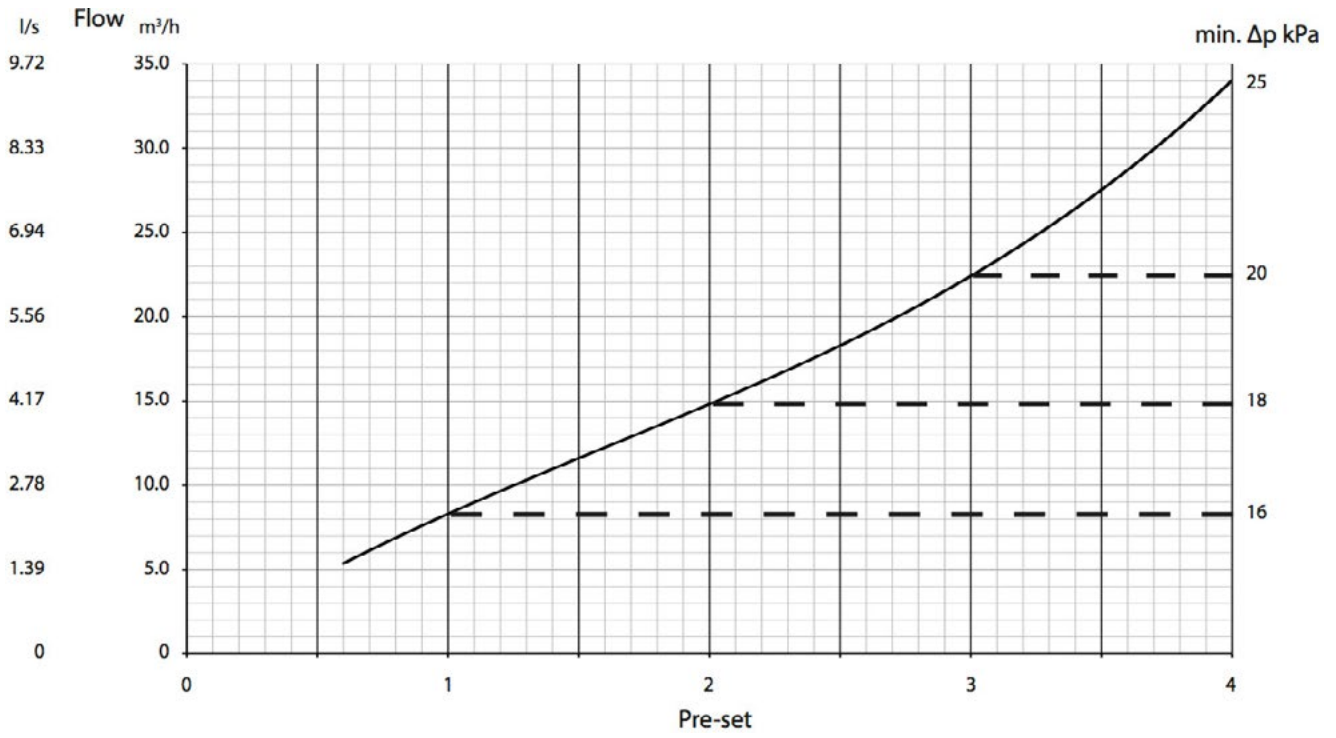
DN65 LOW FLOW



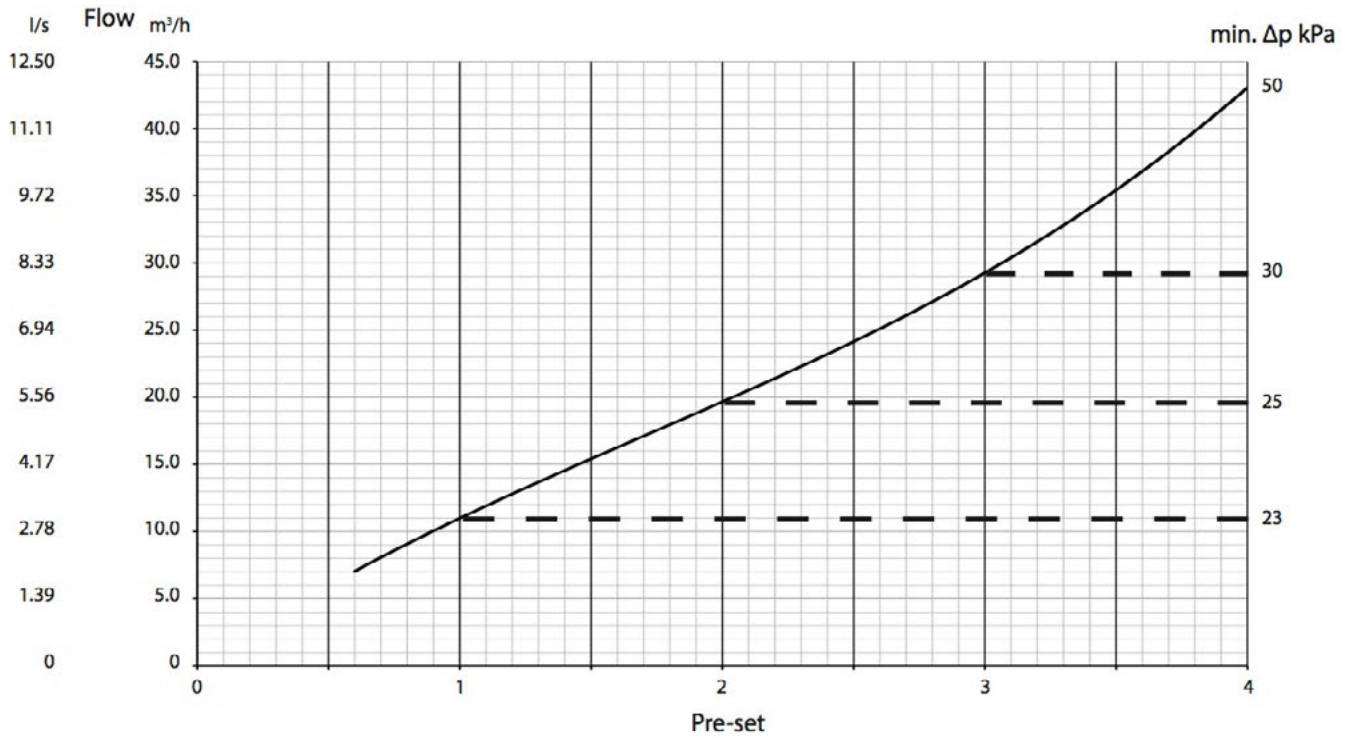
DN65 HIGH FLOW



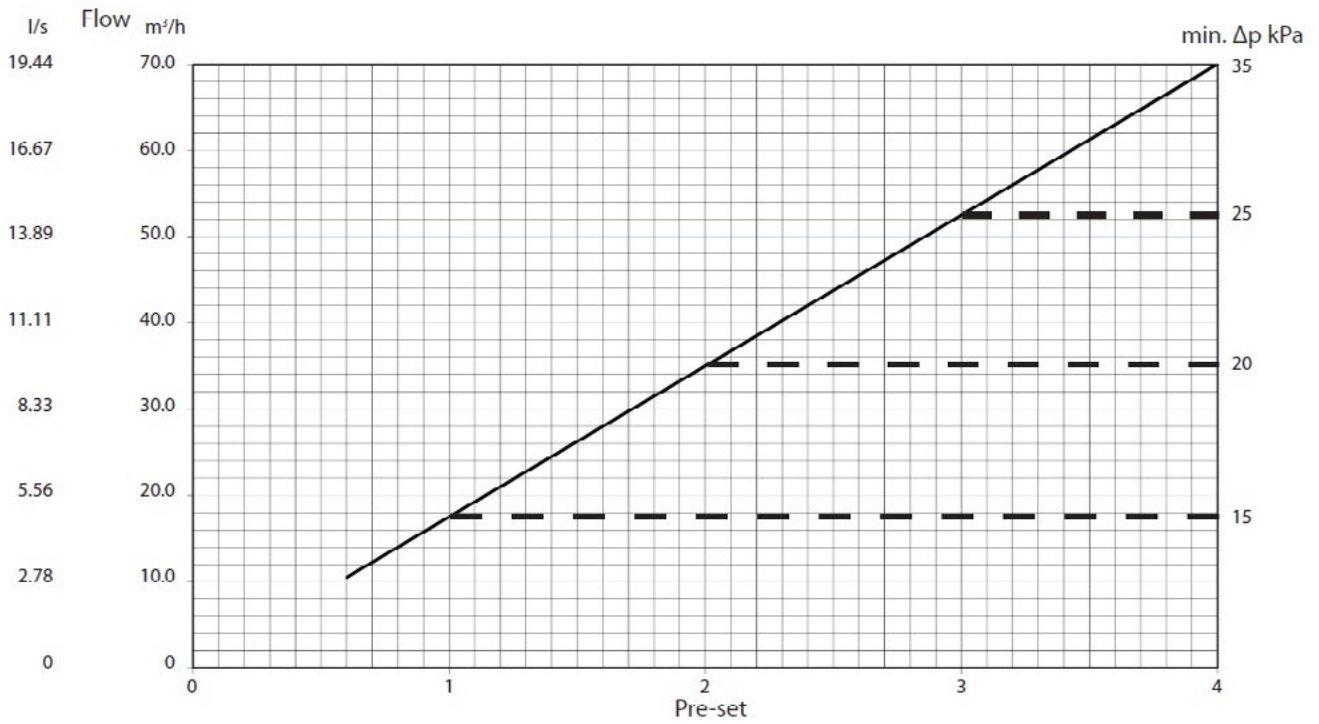
DN80 LOW FLOW



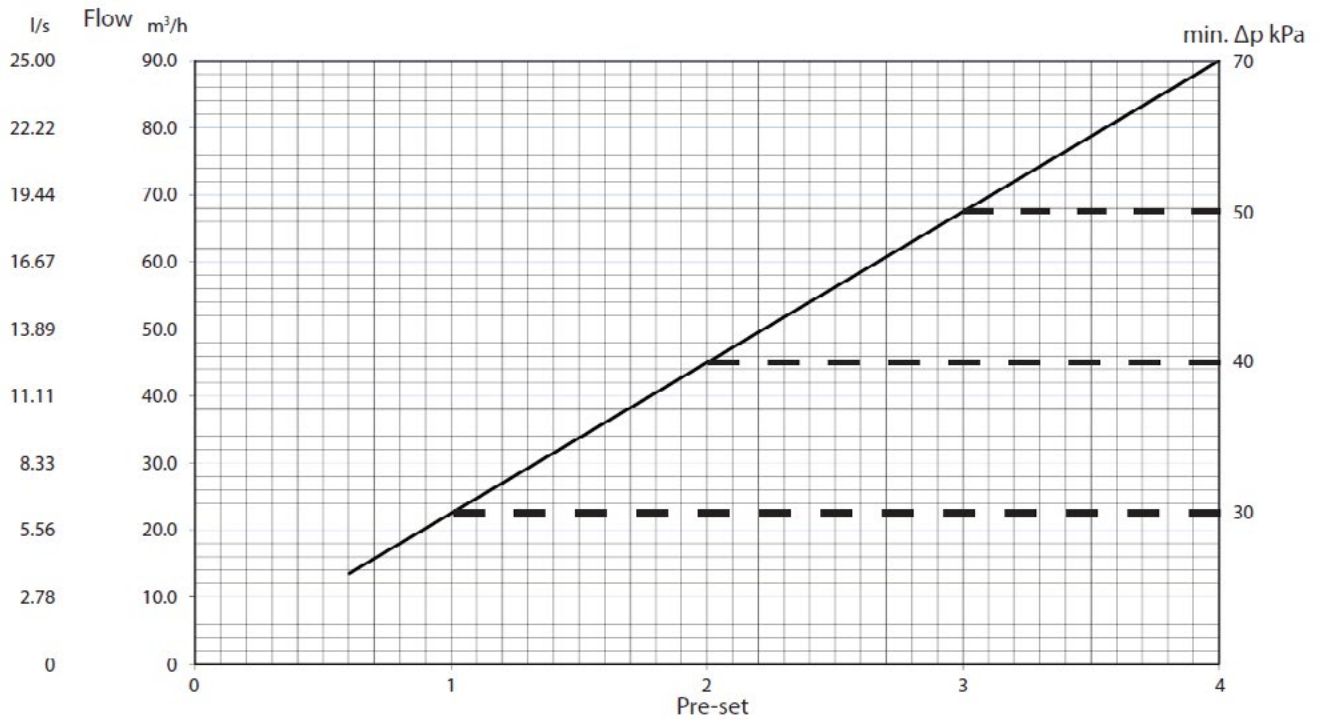
DN80 HIGH FLOW



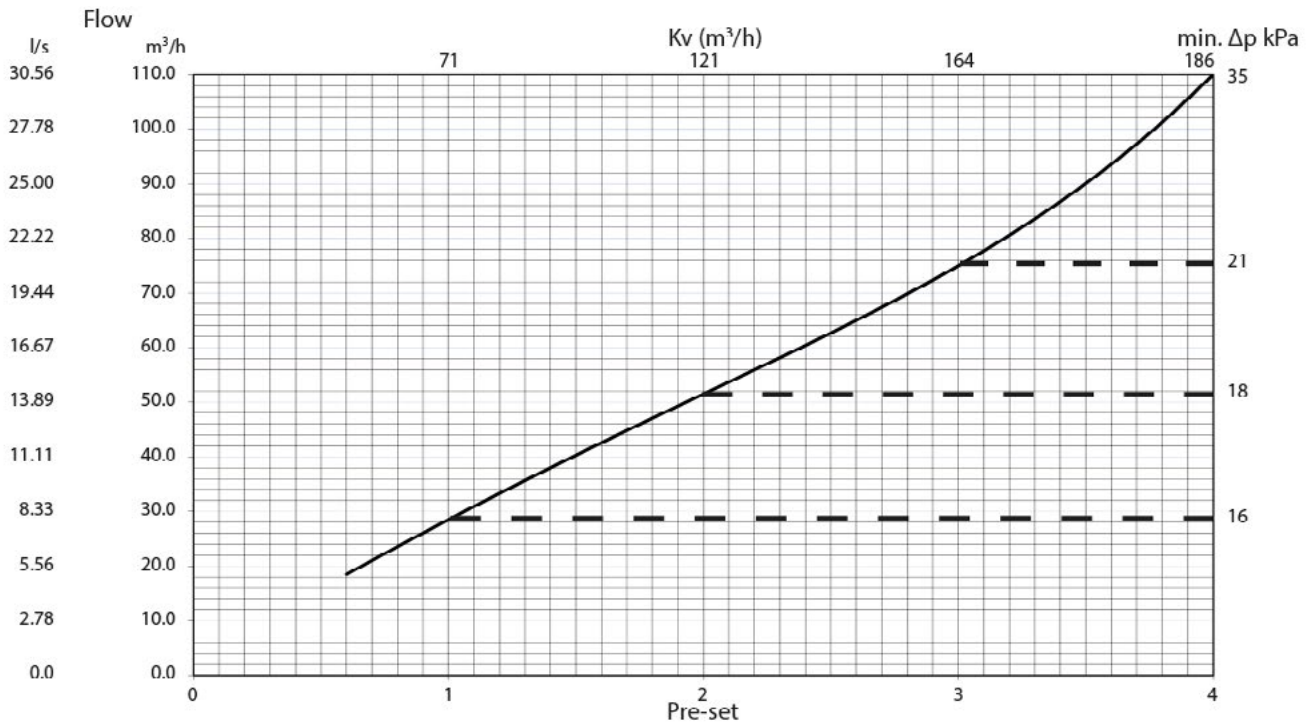
DN100 LOW FLOW



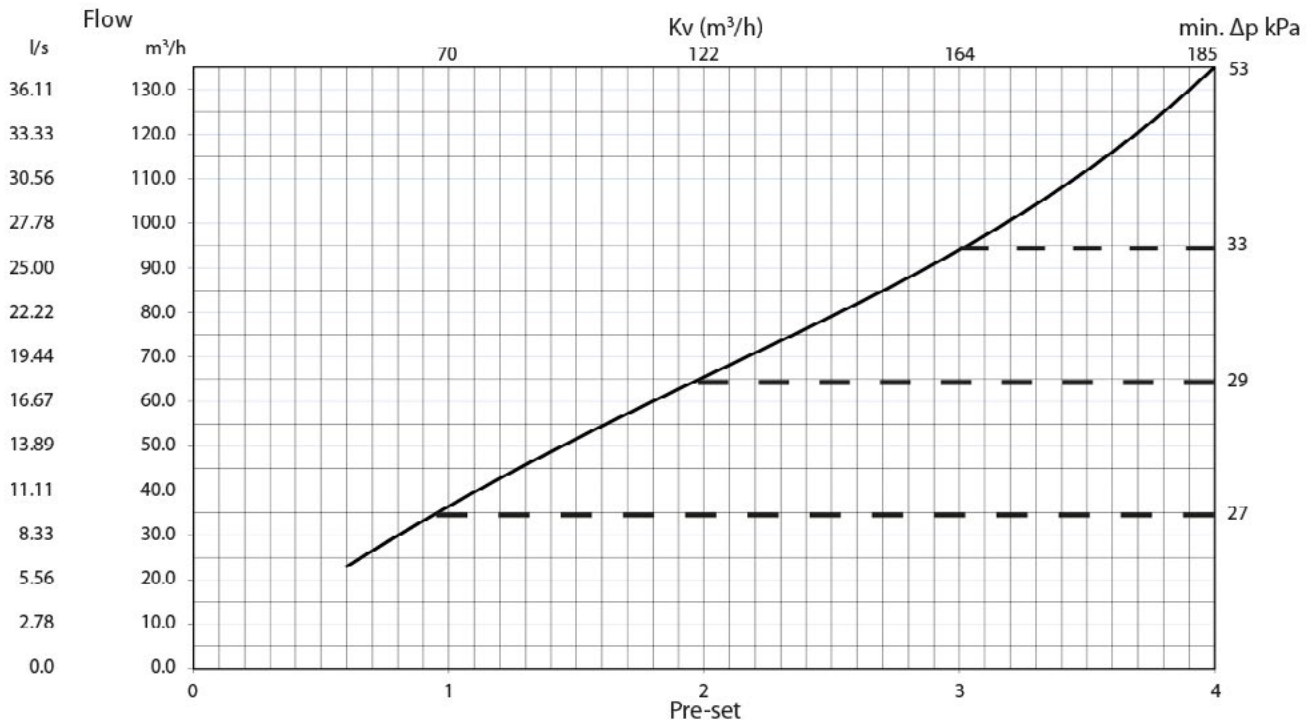
DN100 HIGH FLOW



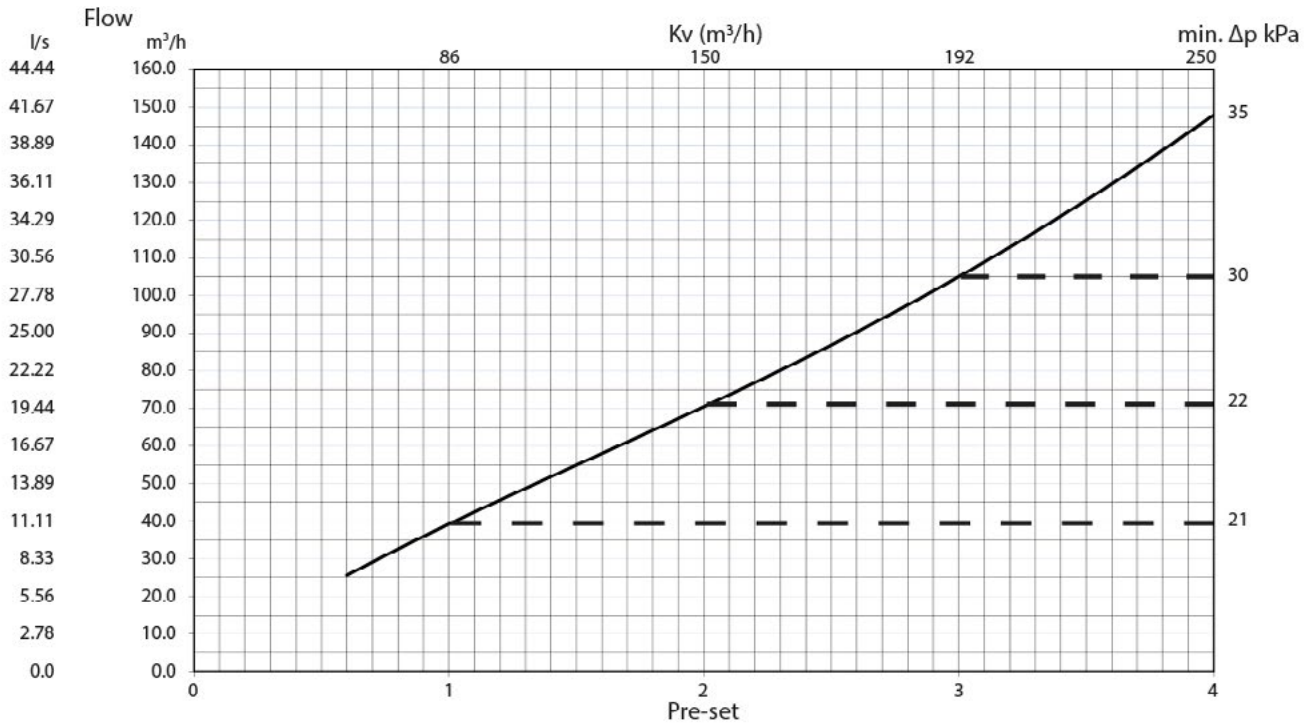
DN125 LOW FLOW



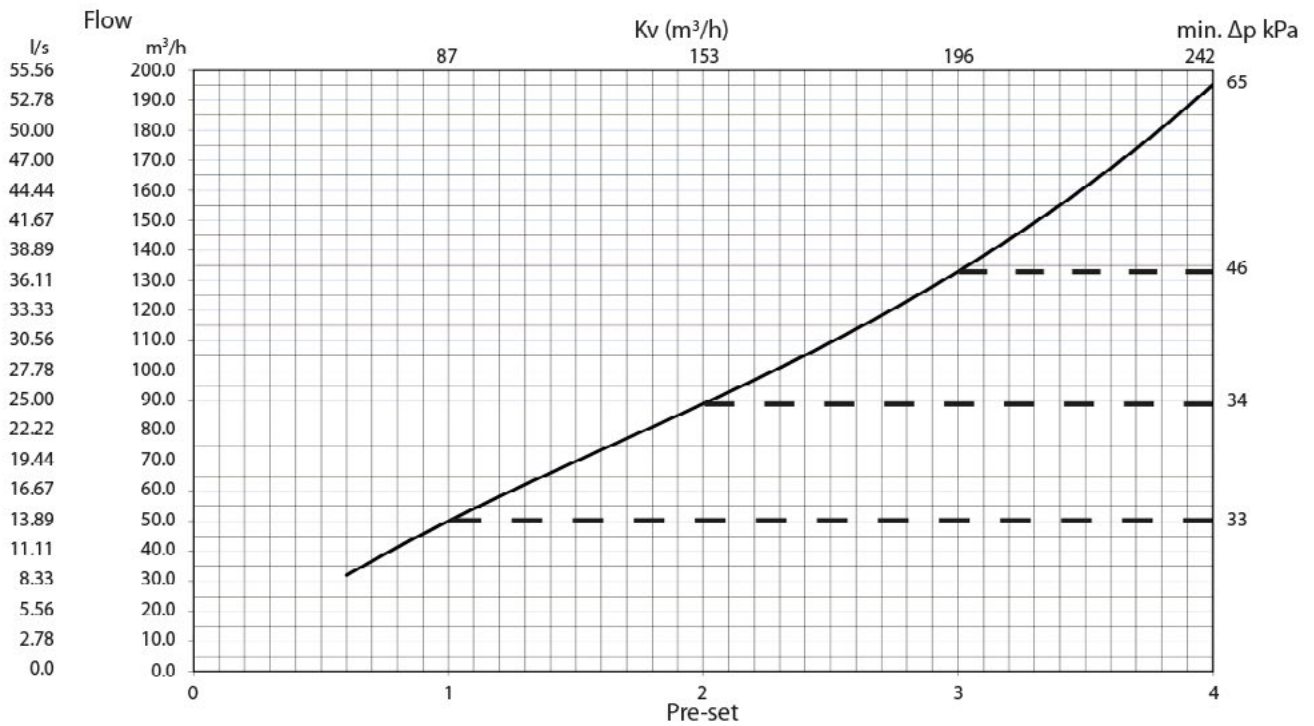
DN125 HIGH FLOW



DN150 LOW FLOW



DN150 HIGH FLOW



Document non contractuel - Nous nous réservons la possibilité de faire évoluer les caractéristiques de nos produits sans préavis

Siège social Lyon / 9 rue de Catalogne - Parc des Pivoles - 69153 Décines Cedex / +33 (0)4 72 15 88 70 / contact@c2ai.com

Agence Île de France
paris@c2ai.com

Agence Est
mulhouse@c2ai.com

Agence Sud-Ouest
sudouest@c2ai.com

Service Export
export@c2ai.com



contact@c2ai.com



www.c2ai.com