

PRESSURE REGULATORS, 4 BAR

ST4B

Aluminium pressure regulator to EN 88-1. Max. inlet pressure 4 bar. Max. outlet pressure 450 mbar. Closure control. Suitable for manufactured gas, natural gas, liquefied petroleum gas (LPG), non-aggressive gas and air.

Operating temperature range: -15÷60°C.



Type	Part Number	Connec- tion	Description	Q.ty/Box	Box/ Carton
ST4B20	009.0351.001	3/4"	With neutral spring 10-25 mbar	1	1
ST4B20	009.0351.002	3/4"	With violet spring 20-70 mbar	1	1
ST4B20	009.0351.003	3/4"	With brown spring 65-120 mbar	1	1
ST4B20	009.0351.004	3/4"	With white spring 110- 230 mbar	1	1
ST4B20	009.0351.005	3/4"	With black spring 220- 340 mbar	1	1
ST4B20	009.0351.006	3/4"	With orange spring 330- 450mba	1	1
ST4B25	009.0352.001	1"	With neutral spring 10-25 mbar	1	1
ST4B25	009.0352.002	1"	With violet spring 20-70 mbar	1	1
ST4B25	009.0352.003	1"	With brown spring 65-120 mbar	1	1
ST4B25	009.0352.004	1"	With white spring 110- 230 mbar	1	1
ST4B25	009.0352.005	1"	With black spring 220- 340 mbar	1	1
ST4B25	009.0352.006	1"	With orange spring 330- 450mba	1	1
ST4B32	009.0353.001	1.1/4"	With neutral spring 10-25 mbar	1	1
ST4B32	009.0353.002	1.1/4"	With violet spring 20-70 mbar	1	1
ST4B32	009.0353.003	1.1/4"	With brown spring 65-120 mbar	1	1
ST4B32	009.0353.004	1.1/4"	With white spring 110- 230 mbar	1	1
ST4B32	009.0353.005	1.1/4"	With black spring 220- 340 mbar	1	1
ST4B32	009.0353.006	1.1/4"	With orange spring 330- 450mba	1	1
ST4B40	009.0354.001	1.1/2"	With neutral spring 10-25 mbar	1	1
ST4B40	009.0354.002	1.1/2"	With violet spring 20-70 mbar	1	1
ST4B40	009.0354.003	1.1/2"	With brown spring 65-120 mbar	1	1
ST4B40	009.0354.004	1.1/2"	With white spring 110- 230 mbar	1	1
ST4B40	009.0354.005	1.1/2"	With black spring 220- 340 mbar	1	1
ST4B40	009.0354.006	1.1/2"	With orange spring 330- 450mba	1	1
ST4B50	009.0355.001	2"	With neutral spring 10-25 mbar	1	1
ST4B50	009.0355.002	2"	With violet spring 20-70 mbar	1	1
ST4B50	009.0355.003	2"	With brown spring 65-120 mbar	1	1
ST4B50	009.0355.004	2"	With white spring 110- 230 mbar	1	1
ST4B50	009.0355.005	2"	With black spring 220- 340 mbar	1	1
ST4B50	009.0355.006	2"	With orange spring 330- 450mba	1	1

SPRINGS

Type	Part Number	Connection	Description	Q.ty/ Box	Box/ Carton
504.0016.020	014.0221.001	ST4B, ST4B..BM 20 - 25 - 32 - 40	10-25 mbar - neutral	1	1
504.0017.020	014.0222.001	ST4B, ST4B..BM 20 - 25 - 32 - 40	20-70 mbar - violet	1	1
E836D	014.0223.001	ST4B, ST4B..BM 20 - 25 - 32 - 40	65-120 mbar - brown	1	1
504.0018.020	014.0225.001	ST4B, ST4B..BM 20 - 25 - 32 - 40	110-230 mbar - white	1	1
504.0036.020	014.0520.001	ST4B, ST4B..BM 20 - 25 - 32 - 40	220-340 mbar - black	1	1
504.0041.020	014.0523.001	ST4B, ST4B..BM 20 - 25 - 32 - 40	330-450 mbar - orange	1	1
E320	014.0231.001	ST4B, ST4B..BM 50	10-30 mbar - neutral	1	1
E619d	014.0232.001	ST4B, ST4B..BM 50	25-70 mbar - violet	1	1
E631d	014.0233.001	ST4B, ST4B..BM 50	65-150 mbar - brown	1	1
504.0038.020	014.0521.001	ST4B, ST4B..BM 50	140-270 mbar - white	1	1
504.0039.020	014.0522.001	ST4B, ST4B..BM 50	260-380 mbar - black	1	1
504.0043.020	014.0524.001	ST4B, ST4B..BM 50	370-450 mbar - orange	1	1
504.0015.020	014.0267.000	BM 20 - 25 - 32 - 40 - 50	50-200 mbar - neutral	1	1
504.0059.000	014.0265.000	BM 20 - 25 - 32 - 40 - 50	190-400 mbar - Red	1	1
504.0060.000	014.0266.000	BM 20 - 25 - 32 - 40 - 50	390-700 mbar - Blue	1	1

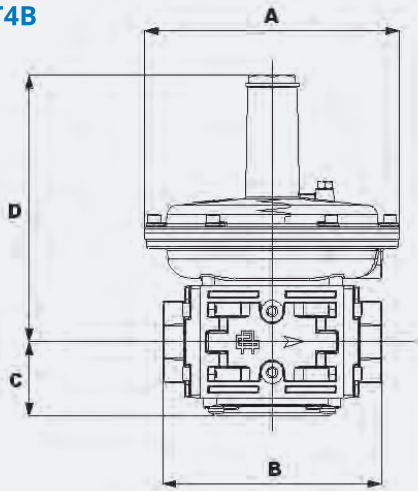
Type	Part Number	Connection	Description	Q.ty/Box	Box/ Carton
3500	014.0515.001	ST4B, ST4B..BM 20 - 25	Revision components kit	1	1
3501	014.0516.001	ST4B, ST4B..BM 32 - 40	Revision components kit	1	1
3502	014.0517.001	ST4B, ST4B..BM 50	Revision components kit	1	1
-	014.0545.000	ST4B..BM 20	Transformation kit	1	1
-	014.0546.000	ST4B..BM 25	Transformation kit	1	1
-	014.0547.000	ST4B..BM 32	Transformation kit	1	1
-	014.0548.000	ST4B..BM 40	Transformation kit	1	1
-	014.0549.000	ST4B..BM 50	Transformation kit	1	1

SELECTION GUIDE: SPRINGS

Model/Colour	ST4B 15 - 20 - 25	ST4B 32 - 40	ST4B 50
NEUTRAL 	10-25 mbar (014.0221.001)	10-30 mbar (014.0221.001)	5-15 mbar (014.0231.001)
PURPLE 	20-70 mbar (014.0222.001)	25-70 mbar (014.0222.001)	10-35 mbar (014.0232.001)
BROWN 	65-120 mbar (014.0223.001)	65-150 mbar (014.0223.001)	30-80 mbar (014.0233.001)
WHITE 	110-230 mbar (014.0225.001)	110-230 mbar (014.0225.001)	140-270 mbar (014.0521.001)
BLACK 	220-340 mbar (014.0520.001)	220-340 mbar (014.0520.001)	260-380 mbar (014.0522.001)
ORANGE 	330-450 mbar (014.0523.001)	330-450 mbar (014.0523.001)	370-450 mbar (014.0524.001)

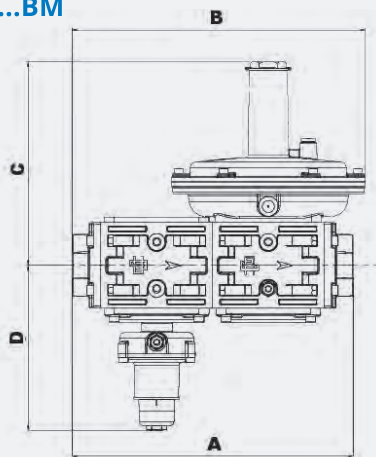
OVERALL DIMENSIONS

ST4B



Model Connections A		B	C	D	
ST4B20	Rp 3/4" UNI-ISO 7/1	195	126	38	190
ST4B25	Rp 1" UNI-ISO 7/1				
ST4B32	Rp 1.1/4" UNI-ISO 7/1	195	167	57	205
ST4B40	Rp 1.1/2" UNI-ISO 7/1				
ST4B50	Rp 2" UNI-ISO 7/1	260	195	62	262

ST4B...BM

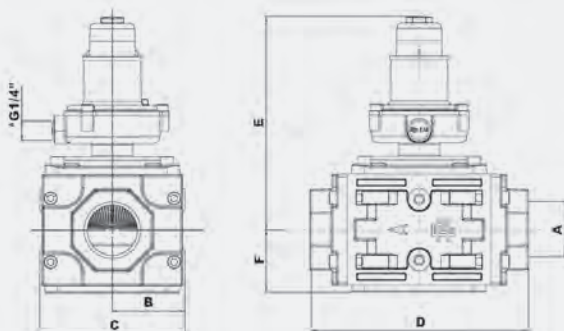


Model Connections A		B	C	D	
ST4B20BM	Rp 3/4" UNI-ISO 7/1	200	234	190	123
ST4B25BM	Rp 1" UNI-ISO 7/1				
ST4B32BM	Rp 1.1/4" UNI-ISO 7/1	282	294	204	146
ST4B40BM	Rp 1.1/2" UNI-ISO 7/1				
ST4B50BM	Rp 2" UNI-ISO 7/1	326	360	262	150

TECHNICAL NOTE

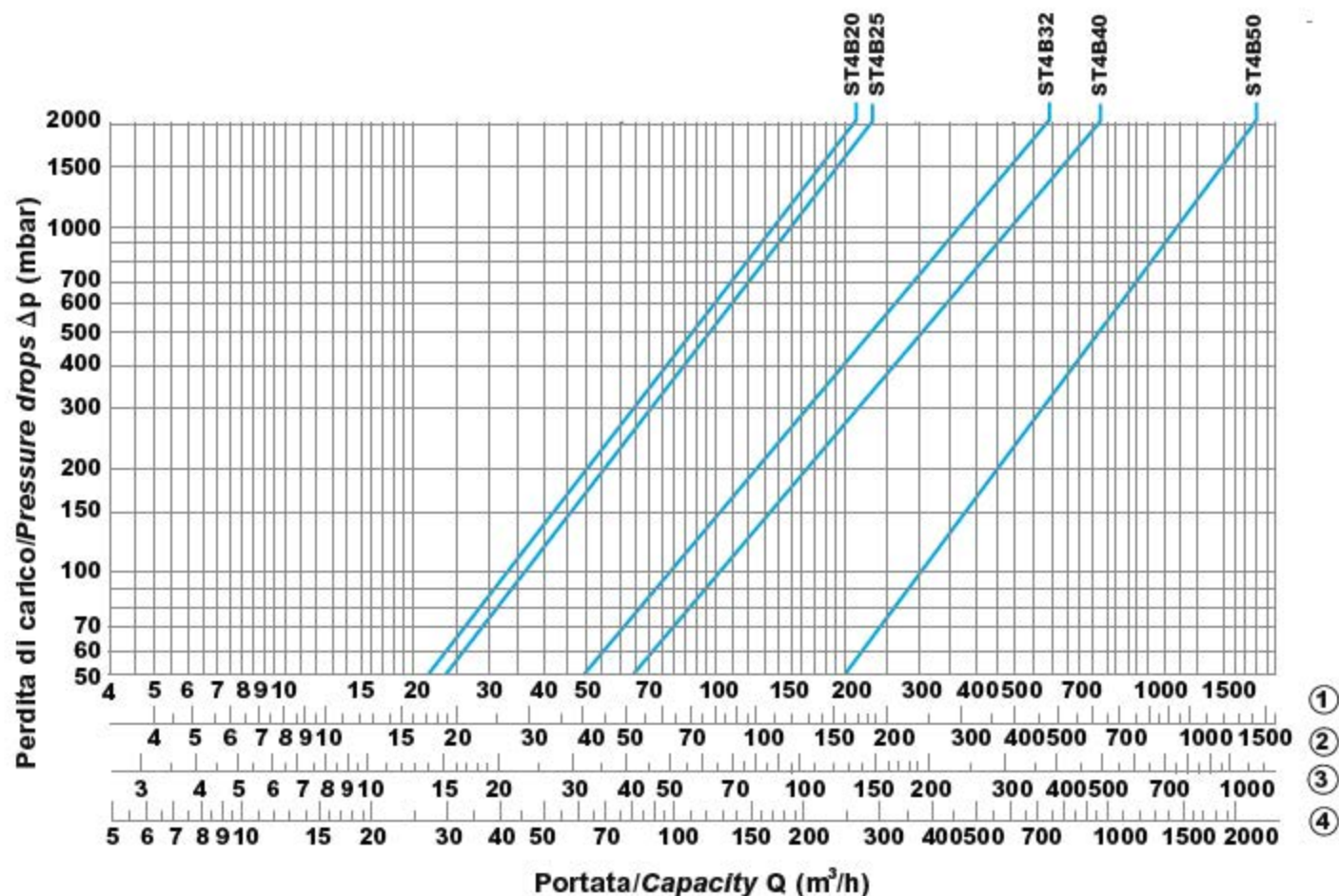
(*) G1/4" connection to be connected downstream of the regulator.

BM



Model	BM20	BM25	BM32	BM40	BM50
A	Rp 3/4"	Rp 1"	Rp 1.1/4"	Rp 1.1/2"	Rp 2"
B	37	37	57	57	68
C	74	74	114	114	136
D	126	126	170	170	195
E	142	142	165	165	169
F	12	12	49	49	58

Diagramma portate - Perdite di carico **Diagram of flow rates - Pressure drops**



- | | |
|------------------------|----------|
| ① Metano - Methane | dv: 0,62 |
| ② Aria - Air | dv: 1 |
| ③ Propano - Propane | dv: 1,56 |
| ④ Gas città - Town gas | dv: 0,45 |