

Vana amestec cu 3 si 4 cai



Vanele de amestec sunt folosite la sistemele de incalzire si racire avand ca scop amestecul si distribuirea agentului termic. Cursa generala este realizata de o rotatie de 90° a rotorului. Vanele pot fi ajustate manual sau automat prin instalarea unui servomotor controlat de catre un controler sau termostat. Vanele de amestec cu 4 cai permit amestecul agentului termic atat pe tur cat si pe retur. Acest lucru creste temperatura agentului termic care ajunge la boiler astfel se reduce riscul coroziunii si creste durata de viata a centralei. Pe de alta parte vanele cu 3 cai pot fi folosite pentru amestec sau deviere (e.g ca vana principala la sistemele pentru producere apa calda menajera). Vanele de amestec cu rotor sunt fabricate in intregime din alama (corp si rotor). In comparatie cu vanele clasice din fonta acestea ofera mai multe avantaje cum ar fi riscul scazut de blocaj al rotorului cand acesta nu este folosit pentru o perioada indelungata, dimensiuni si greutate mai mica la aceeasi robustete. Etansarea pe tija rotorului este asigurata de 2 o-ringuri din peroxide EPDM; cea din exterior este usor de inlocuit, se va demonta placuta din otel fixata de un inel flexibil.

Pentru vanele cu 3 si 4 cai sunt disponibile variante cu diferite valori ale Kv-ului pentru aceeasi dimensiune deci fiecare dintre ele pot fi folosite intr-o situatie specifica conform cerintelor sistemului.

■ Caracteristici tehnice

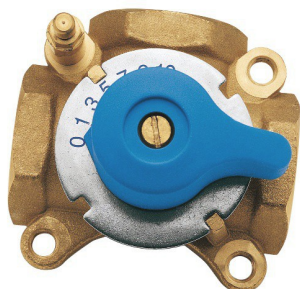
Temp.max operare: 120°C
Presiune maxima opeare: 10 bar
Min.cuplu operare : 1 N·m
Procentaj scurgere: 0.5 % din Kvs

■ Materiale

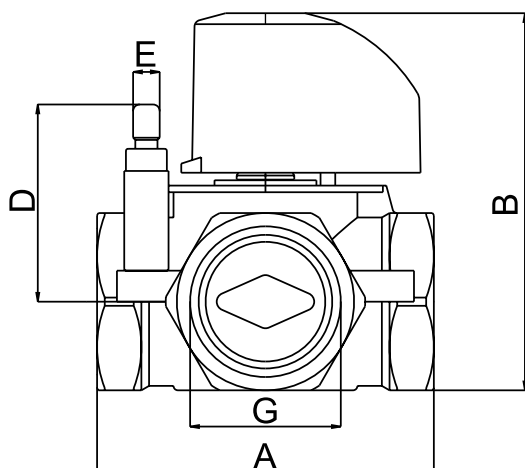
Corp vana: CW617N (pana la dimens. G 1 1/4"); CB753S (pentru dimens.G 1 1/2" si 2")
Rotor si alte parti din alama: CW617N
Placuta gradata de reglaj: AISI 304
Parti cauciuc: peroxid EPDM
Maneta: PA + fibra sticla 30%

■ Dimensiuni

Vana rotor cu 3 cai



Vana rotor cu 4 cai



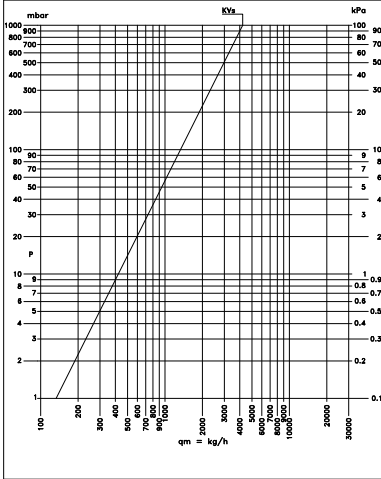
Dimensiuni si coduri

ART.	COD.	CAI	DIMENSI	Kv	A	B	D	E	G
MIX 011	501547	3	3/4"	4	76	85	44	6	3/4"
MIX 012	501548		3/4"	6	76	85			3/4"
MIX 013	501549		3/4"	8	76	85			3/4"
MIX 021	501550		1"	8	76	85			1"
MIX 022	501551		1"	12	76	85			1"
MIX 031	501552		1 1/4"	12	82	90			1 1/4"
MIX 032	501553		1 1/4"	18	82	90			1 1/4"
MIX 041	501564		1 1/2"	28	112	119			1 1/2"
MIX 051	501565		2"	44	119	119			2"
MIX 111	501554		4	3/4"	4	76			85
MIX 112	501555	3/4"		6	76	85	3/4"		
MIX 113	501556	3/4"		8	76	85	3/4"		
MIX 121	501557	1"		8	76	85	1"		
MIX 122	501558	1"		12	76	85	1"		
MIX 131	501559	1 1/4"		12	82	90	1 1/4"		
MIX 132	501560	1 1/4"		18	82	90	1 1/4"		
MIX 141	501562	1 1/2"		28	112	119	1 1/2"		
MIX 151	501563	2"		44	119	119	2"		

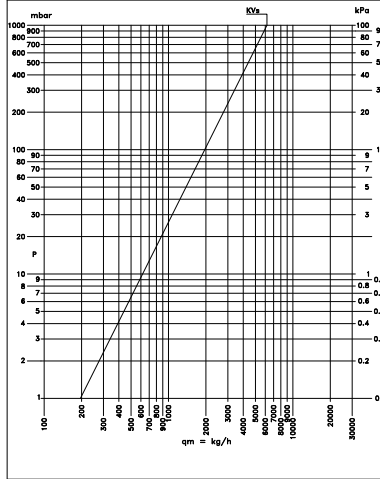
CARACTERISTICI HIDRAULICE

Vana cu 3 cai

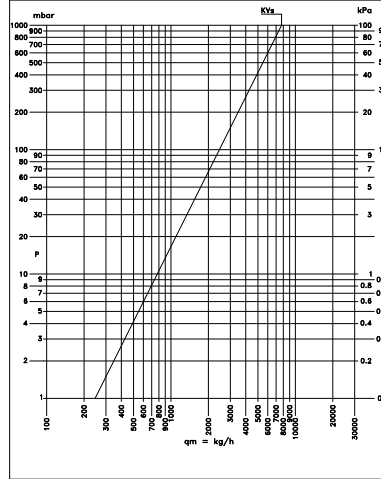
MIX 011 - $Kvs = 4.24$



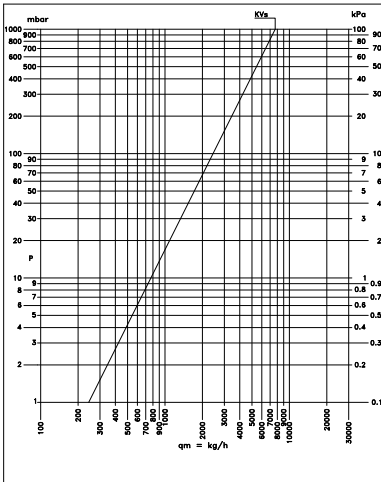
MIX 012 - $Kvs = 6.20$



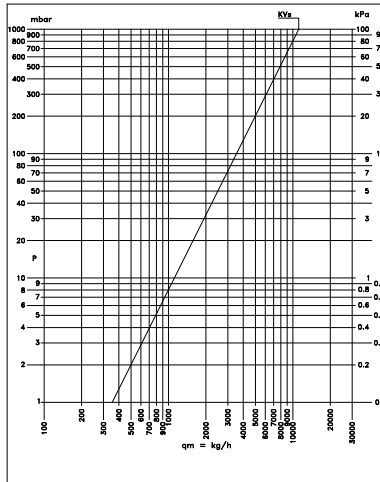
MIX 013 - $Kvs = 7.76$



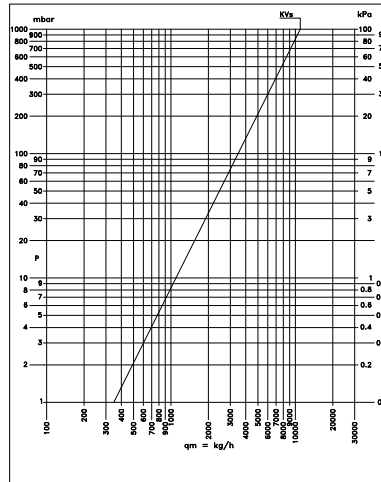
MIX 021 - $Kvs = 7.71$



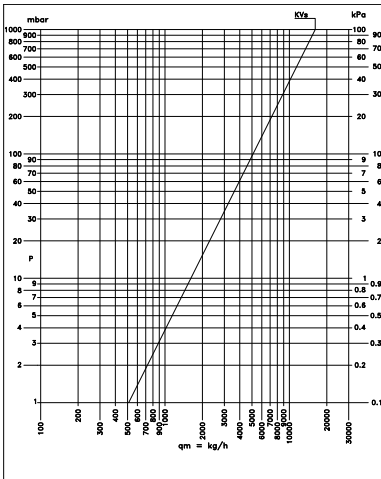
MIX 022 - $Kvs = 11.57$



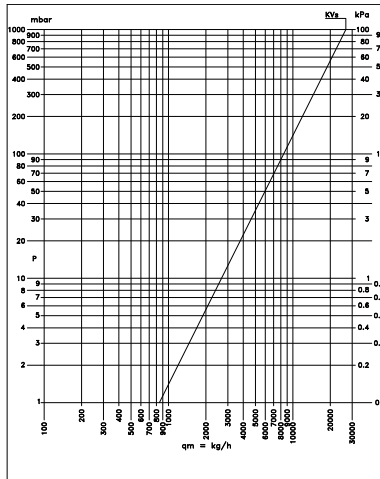
MIX 031 - $Kvs = 11.33$



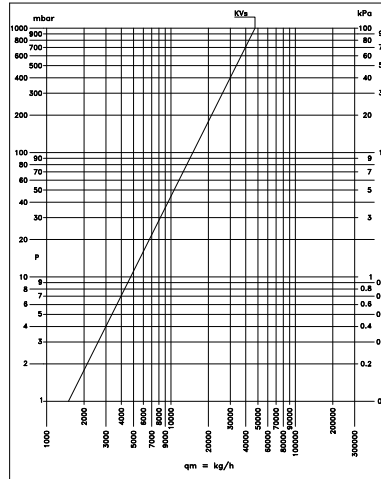
MIX 032 - $Kvs = 16.91$



MIX 041 - $Kvs = 27.12$



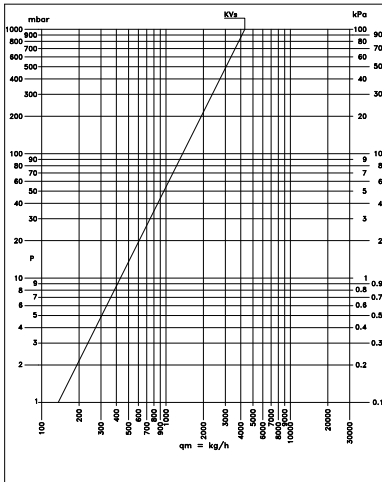
MIX 051 - $Kvs = 47.62$



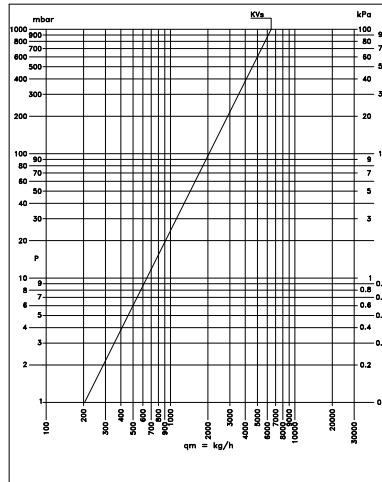
Toleranta Kv permisa $\pm 10\%$

vana cu 4 cai

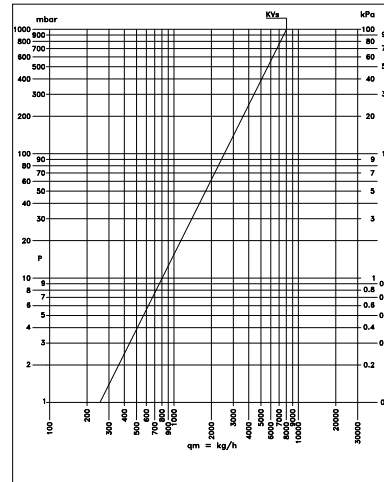
MIX 111 - Kvs = 4.33



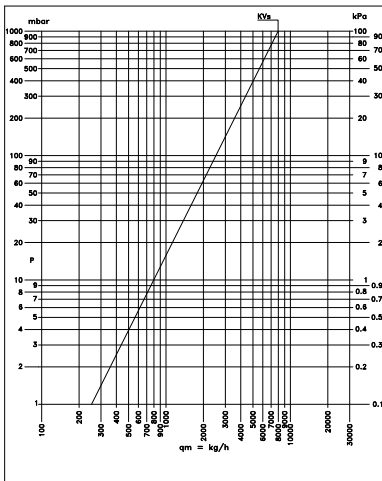
MIX 112 - Kvs = 6.47



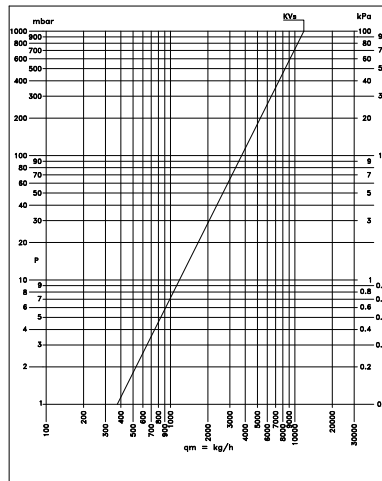
MIX 113 - Kvs = 8.04



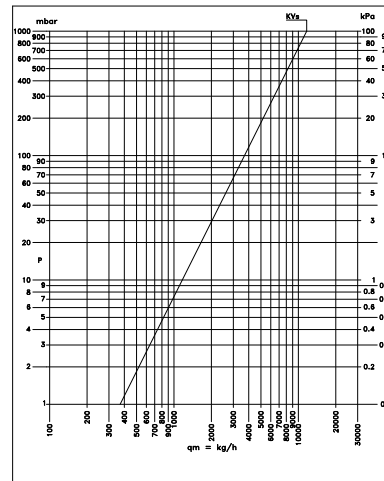
MIX 121 - Kvs = 7.97



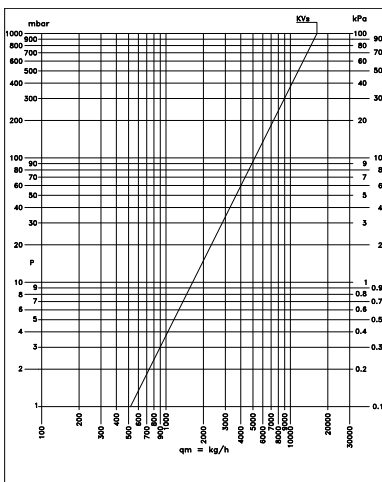
MIX 122 - Kvs = 12.40



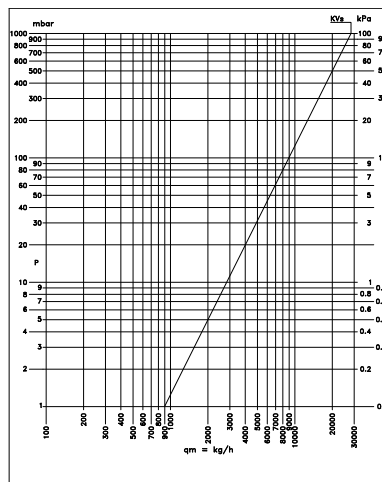
MIX 131 - Kvs = 12.23



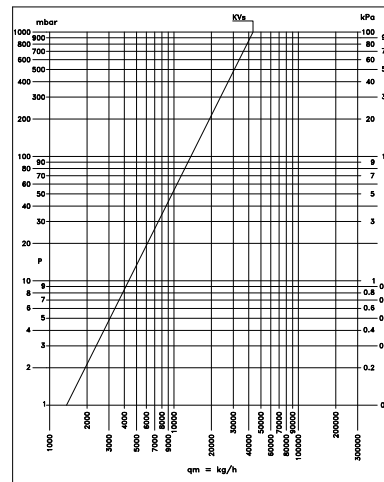
MIX 132 - Kvs = 17.11



MIX 141 - Kvs = 28.57



MIX 151 - Kvs = 43.54



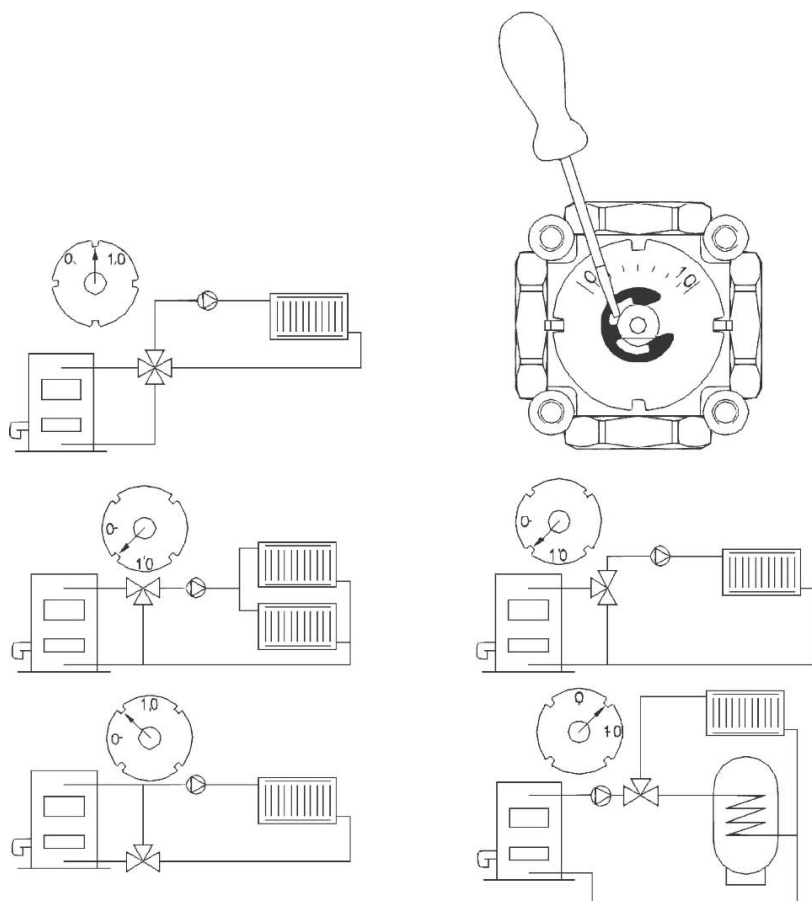
Toleranta Kv permisa $\pm 10\%$

■ OPERATING INSTRUCTIONS

INSTALARE

Vanele IVAR pot fi asamblate si etansate cu banda de teflon, canepa si pasta verde, sau rasina. Daca este nevoie o pozitionare specifica, nu se recomanda etansarea cu banda de teflon sau rasina. Daca etansarea se face cu rasina, verificati daca piesele care urmeaza a fi asamblate si etansate sunt bine degresate. In functie de montajul ales si debit, schimbati pozitia de pe placuta gradata sau rotiti-o pentru a avea o scala in sensul invers acelor de ceasornic.

N.B.: Placuta se poate muta dupa ce se indeparteaza inelul aflat sub maneta de reglaj.



■ NOTA

Cuplajul este scazut (in jur de 1 N·m). Totusi, folosirea de servomotoare cu cel putin 5 N · m cuplu este recomandata pentru evitarea problemelor de scalare care pot aparea in timp.