



Advanced Series



V Range







Unique technical solutions

for efficient plastic injection molding

*Introducing the V-Range.
Unique hot runner solutions to
meet your expectations.*



*48 drop Hot Half
with 12 Zone Temp Controller*

EVERY STEP OF THE WAY

Solutions for...

Packaging



- caps / closures - 8, 16, 24, 32, 48, 64, 72 cavity systems
- food containers - thin wall - tamper evident
- often an option to valve gates!
- unique toothpaste shoulder + insert solutions

Technical



- electrical parts, PC, PBT
- telecommunications parts, PC/ABS
- most engineering materials, PA6, PA66+30% GF, PPO, PPS, PPE/PS
- possible replacing valve gates!



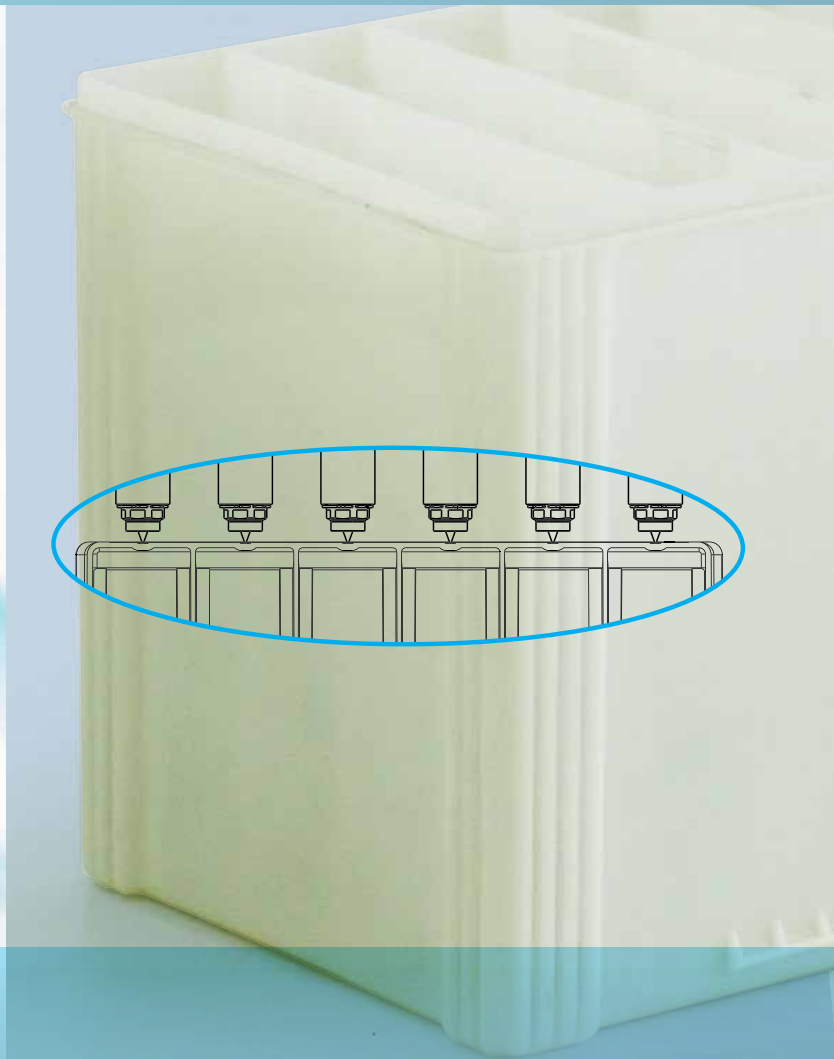


Medical

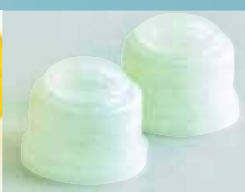


- medical Syringes - PC
- pill containers - PP
- drip bag closures - PP/0.3 MFI
- big reduction in molding temps and reject rates

Industrial



- unique solutions for car batteries
- 2 colour crates, bins
- technical car parts, radiator caps, etc for Audi, GM, Visteon, Honda
- all technical materials processed



EVERY STEP OF THE WAY

Faster Cycle Times

your expectations



8 drop cold runner mold



30 sec cycle



More money invested ...
in machines, molds, operators
and electricity



PPO material, 16 drop hot runner mold
Higher production volumes!



14 sec cycle



Higher production efficiencies!



Less money invested ...
higher production output
+ bigger ROI



*Taking advantage of **DME's** global presence, aside from our European network, **DME** also works with other **DME** offices and best-in-class partners around the world, offering global support.*



EVERY STEP OF THE WAY

Technology

better plastic parts, faster

Nozzle design

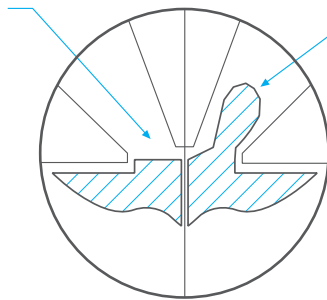
- unique international patent pending design provides precise temperature control and minimum heat loss to the mold, resulting in a very even heat profile.
- accurate control over any plastic material
- benefits incl. lower material temperatures, faster start ups, shorter cycle times, less rejects



V Range advantage

V Range

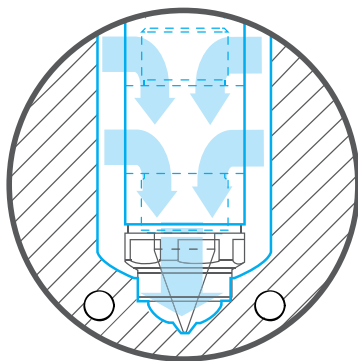
- clean gate/vestige
- less heat into plastic part



Others

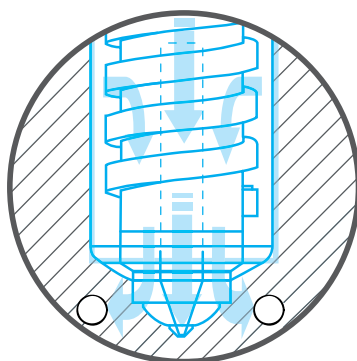
- potential stringing gate/vestige
- more heat into plastic part

V Range Difference



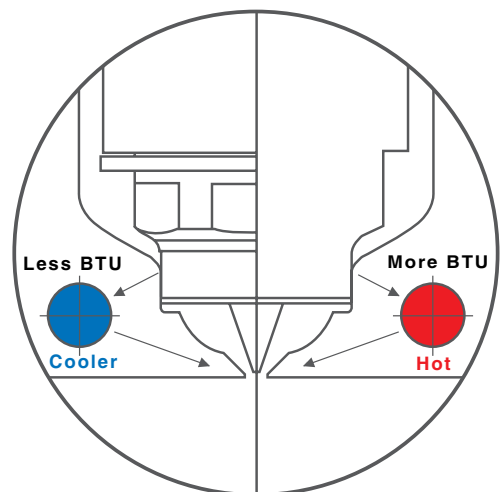
V Range

- operates at same temperature as plastic in machine
- with minimum heat loss to mold

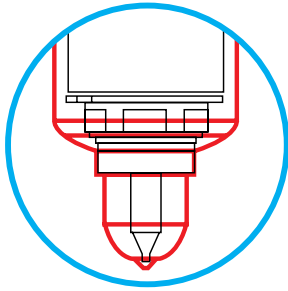


Others

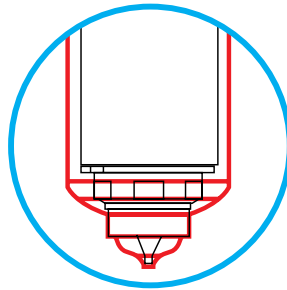
- often operate at higher temperatures compared to plastic in machine
- with high heat loss to mold



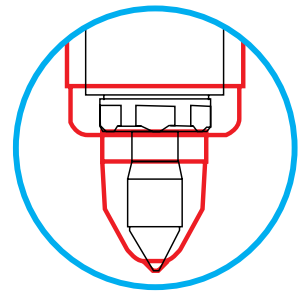
Tip options



XT10 tip for faster cycle times



PT tip for technical materials



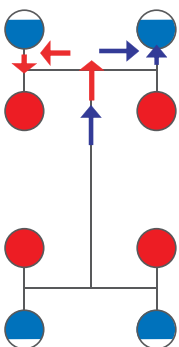
Retro tip for replacing inefficient other nozzles

Manifold design

- unique smooth flow inserts - stops plastic material shear
- multi-level balancing and re-orientation of material provides even part balancing

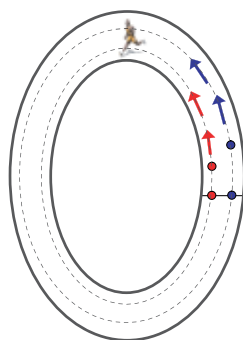


Balancing



Traditional manifold

inside cavities fill first



Running track effect

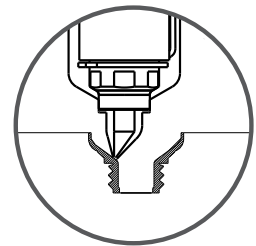
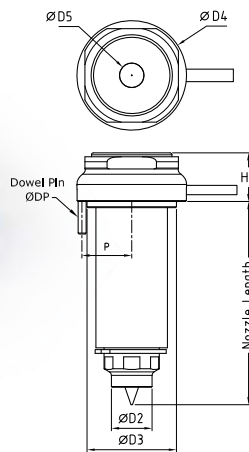
inside runner finishes first



V Range balanced system with multi-layer material orientation

VN nozzles

Standard and premium tips available for high production and GF plastic materials

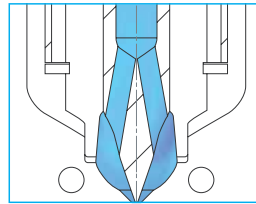


REF	Nozzle length	D2	D3	D4	D5	H4	DP	P
VN12	50	10	22	27	5	12	2	12,5
	60							
	70							
	80							
	100							
VN15	50	12	24	29	6	12	2	13,5
	60							
	70							
	90							
	120							
VN20	50	16	30	36	8	15	3	17
	70							
	90							
	120							
	150							
VN25	70	20	35	41	10	15	3	19,5
	90							
	120							
	150							
VN35	90	26	46	54	14	20	5	26

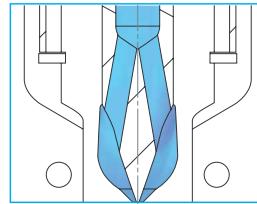
Special nozzle lengths available upon request

PT-tip

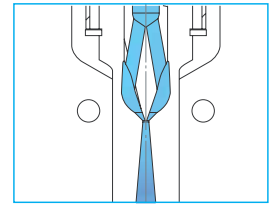
- for plastic materials... ie. PP, PE, PS etc
- available in standard or premium



**Pinpoint tip - open nut
(PT-ON)**



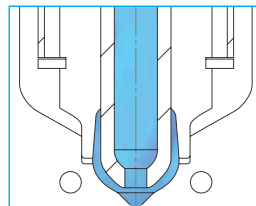
**Pinpoint tip - bush nut
(PT-BN)**



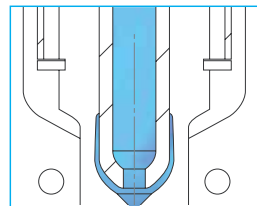
**Pinpoint tip - sprue nut
(PT-SN)**

FT-tip

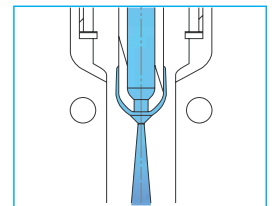
- for plastic materials... ie. PC, PMMA etc
- available in standard or premium



**Freeflow tip - open nut
(FT-ON)**



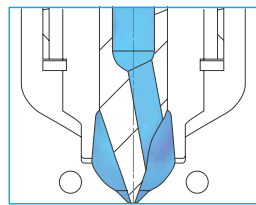
**Freeflow tip - bush nut
(FT-BN)**



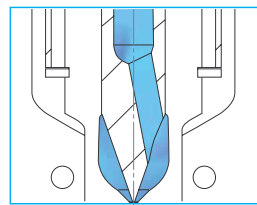
**Freeflow tip - sprue nut
(FT-SN)**

OT-tip

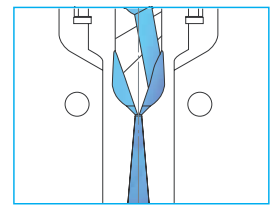
- for plastic materials... ie. TPE, TPU etc
- available in standard or premium



**One hole tip - open nut
(OT-ON)**



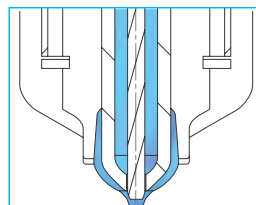
**One hole tip - bush nut
(OT-BN)**



**One hole tip - sprue nut
(OT-SN)**

VG-tip

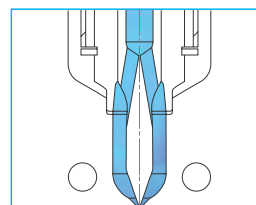
- for large gate applications



**Valve gate - open nut
(VG-ON)**

XT-tip

- for fast cycle applications



**Extended tip - open nut
(XT-ON)**



*Custom made, special nozzles
(PET insert, HDPE shoulder)*

VM manifolds

Custom designed and manufactured using the best materials and components

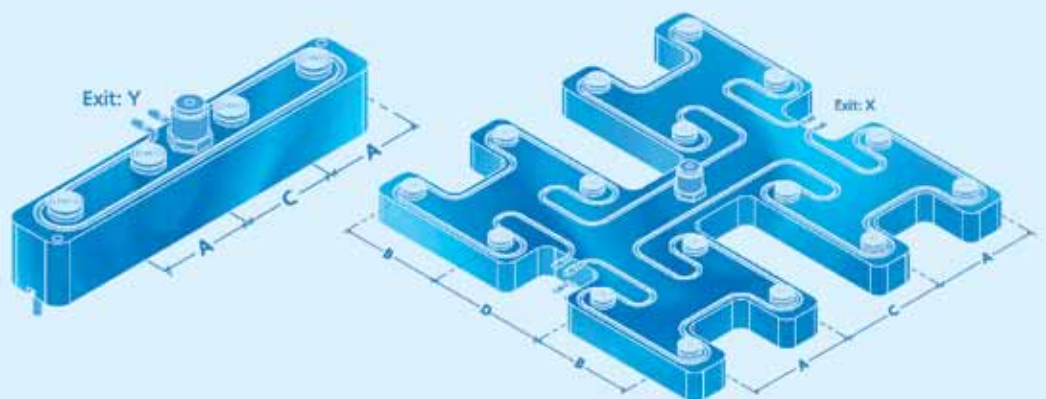


Featuring unique smooth internal material channels and multi layer balancing!



*32 cavity medical container system
blanced within 2%
4 layer - 1 piece*





Ordering example: Manifold no VM-4L-A36-C50Y

EVERY STEP OF THE WAY

Essential Series Temperature Control

Info

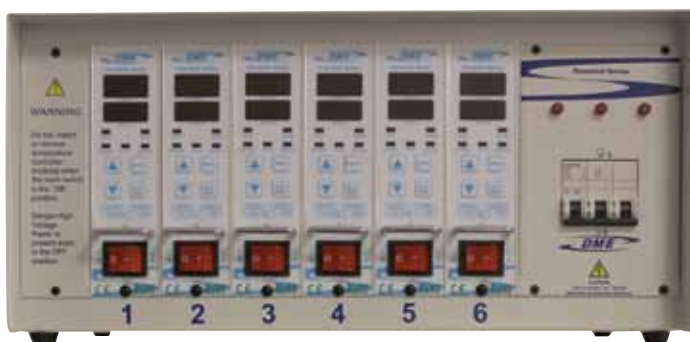


Features

- fully solid state micro-processor operated
- automatic self tuning PID settings
- automatic soft start included
- maximum load: 15 Amps at 230 VAC
- thermocouple type: J or K
- accuracy: better than 1° C on complete span
- temperature span: 0 to 537° C
- ambient range: 0 to 55° C
- supply voltage: 85 to 260 VAC

Essential Series 6 Zone Main Frame Assemblies

MFESS6



Zones	REF
2	MFESS602ASSY
3	MFESS603ASSY
4	MFESS604ASSY
5	MFESS605ASSY
6	MFESS606ASSY

DME Standard Connections	REF
TC Cable	TC8-4,5 G
Power Cable	MPC24-4,5 G
TC Mold Connector	MTC-8 G
Power Mold Connector	PIC-24 G

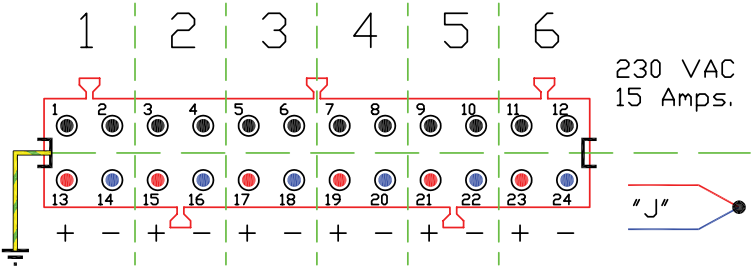


MFESS6MC

Essential Series 6 Zone Main Frame Assemblies

Zones	REF
2	MFESS6MC02ASSY
3	MFESS6MC03ASSY
4	MFESS6MC04ASSY
5	MFESS6MC05ASSY
6	MFESS6MC06ASSY

DIN 16765 Connections	REF
Mold Multi Cable	MPTC6-4,5 G
Mold Multi Connector	MPTC-6 G



DIN 16765



MFESS12

Essential Series 12 Zone Main Frame Assemblies

Zones	REF
3	MFESS03ASSY
4	MFESS04ASSY
5	MFESS05ASSY
6	MFESS06ASSY
7	MFESS07ASSY
8	MFESS08ASSY
9	MFESS09ASSY
10	MFESS10ASSY
11	MFESS11ASSY
12	MFESS12ASSY

DME Standard Connections	REF
TC Cable	TC12-4,5 G
Power Cable	MPC24-4,5 G
TC Mold Connector	MTC-12 G
Power Mold Connector	PIC-24 G





Your contact:

DME Europe
Industriepark Noord G1
2800 Mechelen - Belgium
Tel.: +32 15 21 50 11
Fax: +32 15 40 51 11
dme_europe@dmeeu.com



BE

Tel.: +32 15 21 50 21
Fax: +32 15 40 51 21
dme_benelux@dmeeu.com

CZ

Tel.: 800 142 451 - 571 616 320
Fax: 800 142 450 - 571 611 996
dme_cz@dmeeu.com

DE

Tel.: +49 (0)2351 437 0
0800 664 82 50 - Toll free
Fax: +49 (0)2351 437 220
0800 664 82 51 - Toll free
dme_normalien@dmeeu.com

ES

Tel.: 900 900 342 - Toll free
Fax: 900 900 343 - Toll free
expulsores_girona@dmeeu.com

Export

Tel.: +32 15 21 50 17
Fax: +32 15 40 51 17
dme_export@dmeeu.com

FR

Tel.: +33 1 49 93 92 23
Fax: +33 1 49 93 92 22
dme_france@dmeeu.com

NL

Tel.: +31 (0)2065 45 571
Fax: +31 (0)2065 45 572
dme_benelux@dmeeu.com

PL

Tel.: +800 331 1312
Fax: +800 331 1313
dme_polska@dmeeu.com

PT

Tel.: 800 207 900 - Toll free
Fax: 800 207 901 - Toll free
expulsores_girona@dmeeu.com

RO

Tel.: 0800 833 370 - Toll free
Fax: 0800 833 371 - Toll free
dme_export@dmeeu.com

SK

Tel.: 0800 142 451 -
+420 571 616 320
Fax: 0800 142 450 -
+420 571 611 996
dme_cz@dmeeu.com

UK

Tel.: +44 2071 3300 37
Fax: +44 2071 3300 36
dme_uk@dmeeu.com