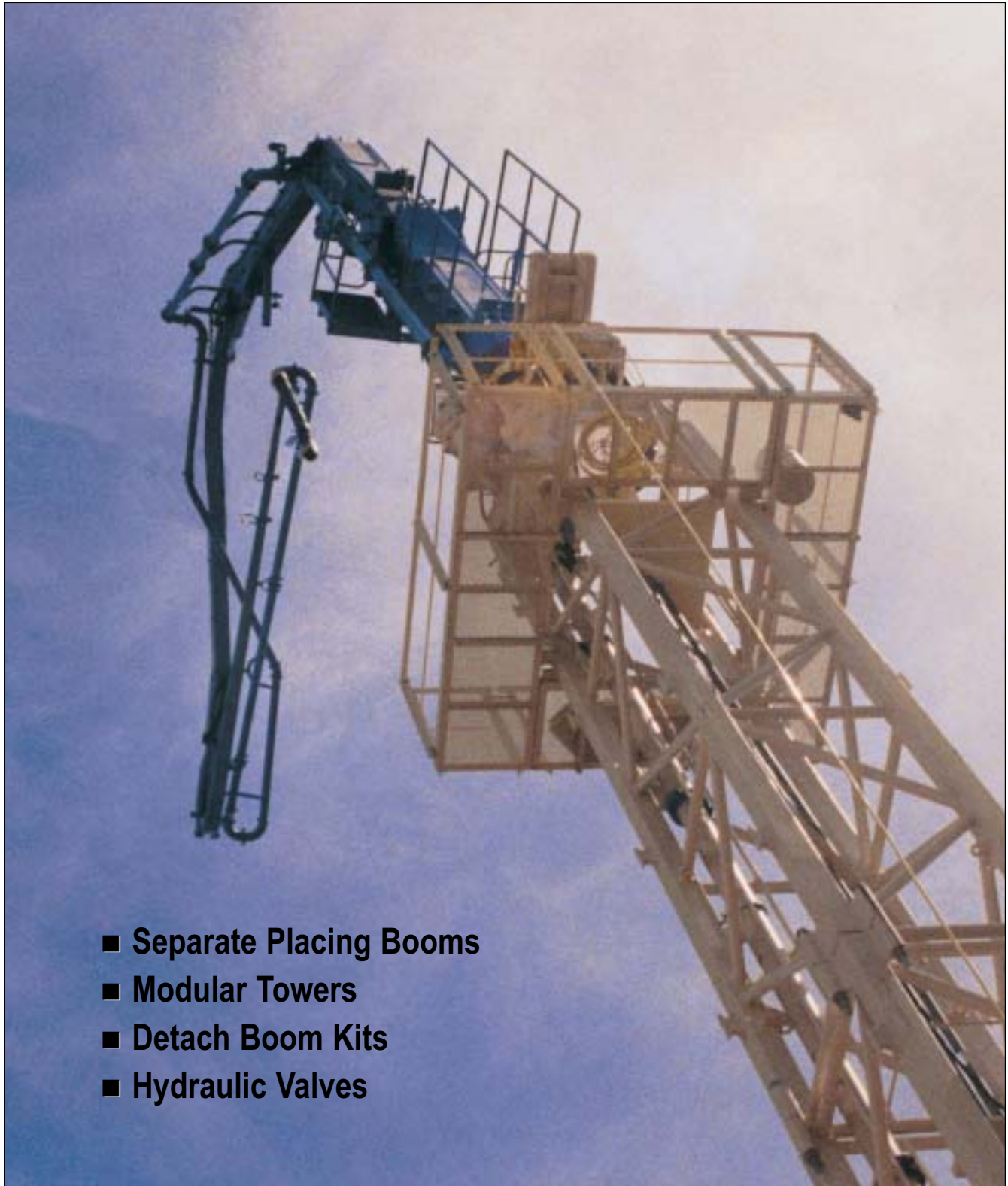
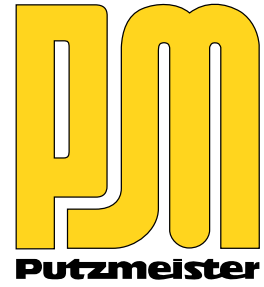


Placing Booms, Towers and Accessories



- Separate Placing Booms
- Modular Towers
- Detach Boom Kits
- Hydraulic Valves

Demanding Applications...

Demand Putzmeister Placing Booms

High Rise Buildings
Treatment Plants
Pre-Cast Plants
Bridges
Dams and More



Perfect for Walls and Columns

- Pumps concrete faster and more uniformly
- Places concrete with pinpoint accuracy
- Eliminates waste
- Frees crane hook time for other tasks
- Promotes safety - no wrestling with buckets
- Ensures better control of placing rate
- Eliminates shock loading of forms
- Provides minimum separation to promote a smoother finish
- Allows convenient placement in normally inaccessible areas
- Lets operator control boom at precise point of placement

Ideal for Decks and More

- Places concrete faster and more uniformly
- Allows larger pours due to speed of placement
- Cuts down size of placing crew
- Eliminates need for finishing crew overtime
- Reduces labor because no heavy hoses to drag over the deck, reinforcing and post tension cables
- Frees crane hook time for other tasks
- Promotes safety on deck
- Places concrete easily around or over obstacles
- Lets operator see placing crew and precisely adjust boom

Preferred for Pre-Cast Manufacturing

- Mounts directly to PM tower anchors on foundation - other mountings possible
- Uses only 16 sq ft (1.5 sq m) floor space
- Unfolds easily under low ceiling heights due to 4-section boom versatility
- Reaches over working traffic to efficiently place concrete into forms within buildings
- Allows continuous concrete placement
- Compresses job schedule
- Protects delivery line and power connections "inside" the tower

Consult Putzmeister for other specialty applications.

Several Options to Meet Your Specific Application Needs

- Adapter
- 3-meter and 6-meter tower sections
- Platform for walkway around tower
- Vertical support system to support tower inside building with floor frame and four locking arms
- Floor support plates
- Foundation anchors /fixing angles to free stand tower up to 80 ft (24m) heights
- Foundation base plates to free stand tower up to 50 ft (15m) heights
- Internal hydraulic climbing system
- Additional rack set - 2 bars and 2 pipes
- Additional corner bearing set
- Climbing support frame with 2 fixed arms
- Diesel power pack
- Adjustable wall bracket - Gen II
- Clamp-down mounting base
- 15-ft (4.6m) ballasted mounting base with adjustable shoes to free stand without a foundation
- 15-ft (4.6m) traveling base on rails - includes electric drive, wheels and cable drum
- Series I or Series II kit detach boom
- Separate pedestal - with or without pivot arm
- Lower pivot arm
- Gravity hook

Detachable Booms



One Boom, Multiple Uses

For added boom versatility and user-friendly features, request our detachable placing booms. For the contractor, they provide the **quickest and easiest truck to tower conversion** for greater efficiency on-site. For the equipment owner, they maximize the versatility of truck-mounted booms and provide added avenues of generating revenue.

Series I or II kits are available to fit your specific needs, and the kits can be **installed with your initial boom pump order or added at a later date** — a choice only Putzmeister's flexible design can offer. Topping it all off, these booms fit any modular Putzmeister pedestal and PM tower.

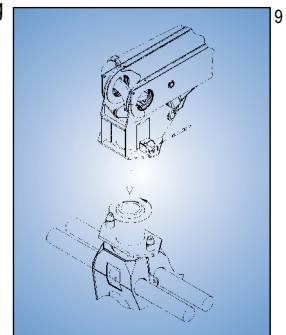


Series II shown

Series II Detach Boom

Kit with **"two-piece"** slewing head for the fastest and easiest way to change from truck to tower.

This quick attach / detach approach is the perfect choice when transferring the boom on a frequent basis. The convenient two-piece slewing head features color-coded quick disconnect hydraulic fittings and easy alignment of the boom to pedestal pin. Like Series I, the pedestal can be left on the tower to reduce the "fly" weight by 4,850 lbs (2200kg), and it adapts to most Putzmeister pumps produced from 1985 to present.



Series I Detach Boom

Kit with **"one-piece"** slewing head turns your existing truck pump into a separate placing boom.

Ideal for *intermittent* use, this convenient changeover kit with accessories makes it easy to retrofit pre-owned and new Putzmeister booms. It is easily identified by the quick disconnect one-piece stem in the placing boom, and it conveniently adapts to most 28, 32, 36 and 38-Meter Putzmeister truck-mounted boom pumps manufactured from 1985 to present.



Putzmeister Exclusives

Our Specially-Designed Features Offer Greater Efficiency

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1. Highest Free-Standing Heights

Only Putzmeister towers can **free stand up to 80 ft (24m)** heights without counterweight ... the highest in the industry.

2. No Counterweight on Booms

No labor intensive and cumbersome counterweight is needed with Putzmeister placing booms, **saving time and labor.**

Spacious and safety-conscious platform allows convenient chest height access to four-pin connection, making setup a breeze. Plus, this optional platform allows a "bird's eye" view for the operator.

3. "Square" Tower with Highly Modular Design

- easily **expands** for use at a variety of height and floor levels
- can be **self-jacked** or placed on anchors or base plates
- protects delivery line and power connections **inside the tower**
- makes it **easier to block out and patch** floor openings
- allows convenient **inside ladder access**



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4. Simple Bracing with Vertical Support

Our PM tower, with its easy-to-brace vertical support system, features a floor frame and four locking traverse arms. This firmly **supports the tower anywhere, on any floor**, using hardwood wedges or steel corner details for lateral bracing. Easily accessible wood re-shore posts distribute the unit's vertical load as shown. Note: certain design restrictions apply.



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5. Highly Versatile Pedestal

The placing boom and pedestal are **separate components so they can be moved together or separately**, depending on crane capacity on-site. For easy reconnection, just lower the pedestal until the ears hit the lugs, and it precisely aligns itself.

6. Greatest Height Above Upper Wedge Point

Pour more floors with less jumps using our highly versatile support system. It offers up to a 46 ft (14m) overhang before it's necessary to raise the boom – the highest reach above the upper wedge point available on the market.



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7. Lightweight, 4-Section Boom

Our low placing boom weights provide *lighter crane picks* and allow the boom to be positioned farther from the crane for greater overall placing coverage. Plus, the highly versatile four-section boom means *more "effective" reach*.



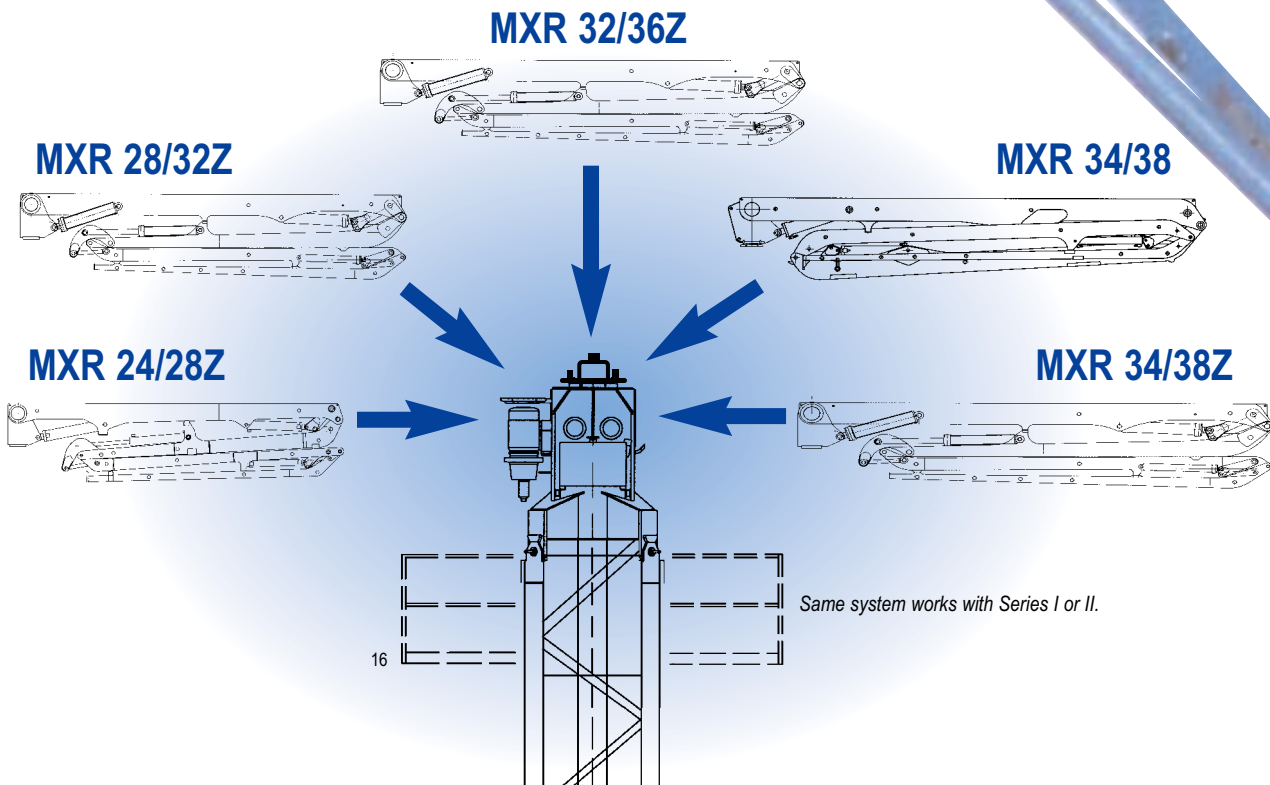
9. Easiest Boom to Raise or Move

With easy four-pin connection, simply disconnect, pick up and move the entire system in *under ten minutes*.

10. Most Mounting Configurations Offered



8. All MXR Putzmeister Placing Boom Models Pin Connect to the "Same" Pedestal and PM Tower



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Several Configurations

Putzmeister Offers Widest Variety of Mounting Configurations



Free Standing

Mounting Descriptions

■ Free Standing

Only Putzmeister reaches up to 80 ft (24m) free standing heights without using counterweight ... the industry's highest.



Foundation Anchors
Up to 80 ft (24m)



Foundation Base Plates
Up to 50 ft (15m)

■ Inside Climbing*

Supported by the building, the unit easily climbs with the help of a crane.

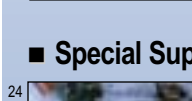


Floor Support Plates

■ Hydraulic Climbing*

When a crane isn't available, inside climbing is accomplished by two lift cylinders that use the boom's hydraulics.

**Design restrictions apply.*



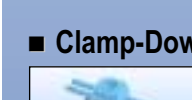
■ Special Support Beams

Only Putzmeister lets you easily increase tower heights by utilizing commonly fabricated bracing.



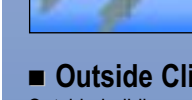
■ Adjustable Wall Bracket

Specially-engineered wall bracket does not anchor to the forming system, for smoother pumping *without* vibration to forms.



■ Clamp-Down Mounting

Clamps down to an existing structure or to slip form framework. Used with or without a tower.



■ Outside Climbing

Outside building – tied to structure.

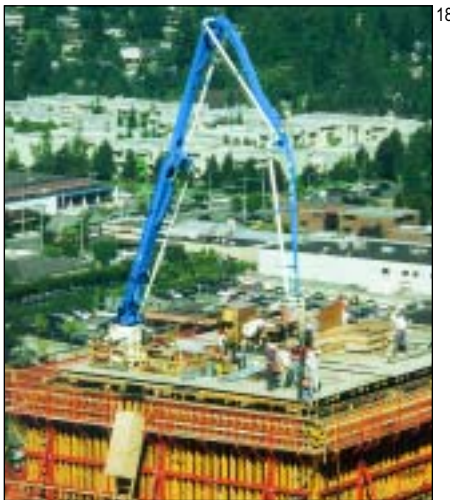
■ Ballasted Mounting Base

Mounted without a foundation.

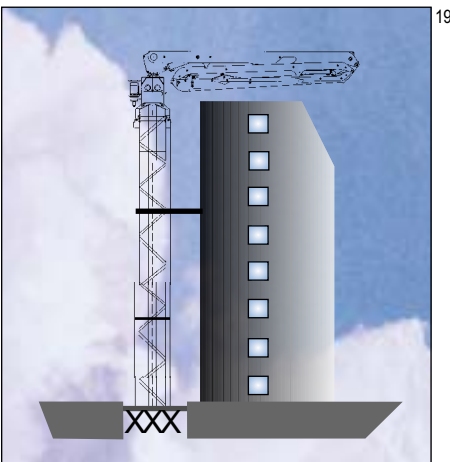
■ Traveling Base (on Rails)



Inside Climbing
via Crane or Hydraulics



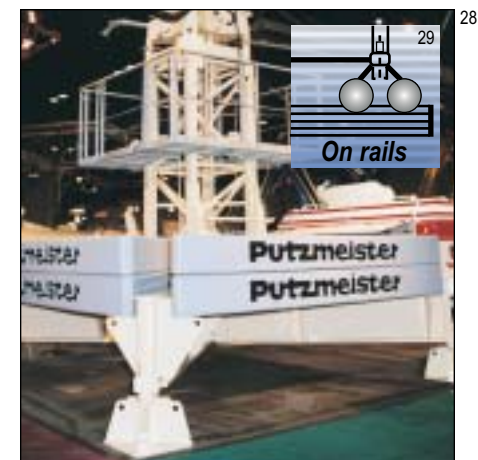
Wall Bracket



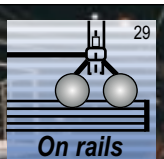
Outside Building – Tied to Structure



Special Support Beams



Ballasted & Travel Base



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Specifications

Expanded working range diagrams available on all models.
 *MXKD 38/42 is a new series model – different features apply.

REACH/BOOM	MXR 24/28Z	MXR 28/32Z	MXR 32/36Z	MXR 34/38	MXR 34/38Z	MXKD 38/42*
Boom design	Multi-Z Boom	Multi-Z Boom	Multi-Z Boom	Roll-and-Fold	Multi-Z Boom	Roll-and-Fold
Horizontal reach	78'3" (23.84m)	91'10" (28.00m)	104'0" (31.68m)	111'0" (33.83m)	110'8" (33.73m)	124'8" (38.00m)
Reach depth	65'8" (20.01m)	77'6" (23.62m)	87'4" (26.62m)	96'8" (29.49m)	94'10" (28.91m)	107'11" (32.89m)
Stowed boom length	23'3" (7.08m)	26'4" (8.04m)	29'0" (8.84m)	30'5" (9.28m)	32'4" (9.85m)	33'10" (10.31m)
4-section boom						
1st section	22'10" (6.95m)	26'0" (7.93m)	28'8" (8.73m)	28'7" (8.71m)	28'8" (8.73m)	33'4" (10.16m)
2nd section	18'6" (5.63m)	21'11" (6.69m)	25'3" (7.70m)	25'11" (7.89m)	25'3" (7.70m)	30'10" (9.40m)
3rd section	18'5" (5.62m)	21'11" (6.69m)	25'4" (7.71m)	27'6" (8.38m)	28'8" (8.73m)	30'2" (9.19m)
4th section	18'6" (5.63m)	22'0" (6.70m)	24'9" (7.54m)	29'0" (8.85m)	28'1" (8.57m)	30'4" (9.25m)
Boom articulation						
1st section	103°	99°	103°	98°	99°	95°
2nd section	180°	180°	180°	180°	180°	180°
3rd section	265°	266°	246°	180°	245°	180°
4th section	263°	268°	234°	247°	233°	251°

GENERAL SPECS						SPECS
Rotation	365°	365°	365°	365°	365°	365°
Pipeline diameter	5" (125mm)	5" (125mm)	5" (125mm)	5" (125mm)	5" (125mm)	5" (125mm)
Power	440V/60Hz/35amp	440V/60Hz/35amp	440V/60Hz/35amp	440V/60Hz/35amp	440V/60Hz/35amp	440V/60Hz/35amp
Control systems	Radio-Cable-Manual	Radio-Cable-Manual	Radio-Cable-Manual	Radio-Cable-Manual	Radio-Cable-Manual	Radio-Cable-Manual
Pump Outputs	Putzmeister placing booms can be used with any sized pump from 20 to over 200 cubic yards an hour (15 to 152m³/hr).					

WEIGHTS						WEIGHTS
Boom weight	9,680 lbs (4390kg)	12,527 lbs (5681kg)	13,087 lbs (5935kg)	13,144 lbs (5961kg)	12,994 lbs (5894kg)	————
Pedestal weight	4,850 lbs (2200kg)	4,850 lbs (2200kg)	4,850 lbs (2200kg)	4,850 lbs (2200kg)	4,850 lbs (2200kg)	————
Total approx weight	14,530 lbs (6590kg)	17,377 lbs (7882kg)	17,937 lbs (8136kg)	17,994 lbs (8162kg)	17,844 lbs (8094kg)	24,500 lbs (11113kg)
Series II weights	Series I weights are shown above; add 920 lbs (417kg) to the pedestal to achieve Series II detach boom weights.					————

TOWER SPECS	HYDRAULIC VALVES			
Our PM tower system fits all MXR Putzmeister booms.	Model	Pipeline Diameter	Maximum Pressure	Ports / Positions
Height	49'6" (15m)	5/2 Diversion HD 5" (125mm)	1885 psi (130 bar)	5 / 2
	<i>adjustable in 10 ft (3m) increments</i>	2/2 Shut-Off HD 5" (125mm)	2900 psi (200 bar)	2 / 2
Width	4'3" (1.3m) - square	4/2 Shut-Off HD 5" (125mm)	2900 psi (200 bar)	4 / 2
Approx weight	9,237 lbs (4190kg)			
	<i>weight varies with tower height</i>			
Rec slab opening	4'6" (1.4m) - square			
Adapter (tower to pedestal)	625 lbs (284kg)			

*MXKD 38/42 is a new series model. Different features and new tower apply. Contact Putzmeister for more details.

Specs subject to change without prior notice. Photos for illustrative purposes only. Refer to the Putzmeister operator's manual for safe and proper operation of equipment.

Standard Features

- 4-section boom with one-piece slewing head
- 5" (125mm) pipeline diameter with PM cast manganese elbows
- 10 ft (3m) end hose - coupled both ends
- 365° rotation
- Combi electric switch box
- Centralized lube location
- Manual grease gun
- MBC - modular boom controls
- World standard control panel
- Cable remote with proportional function 2-speed rheostat and 130 ft (40m) cable
- Emergency stop
- Three operator's manuals
- High quality paint finish - blue and cream
- Ship-away kit



Need Something Even LARGER?

Our mammoth sized placing booms - **up to 52 meters horizontal reach** - can help with the most challenging jobs possible. Think big, think Putzmeister.

Hydraulic Valves

Strong, Reliable and Durable



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DVH – Hydraulic Diversion Valves

With **multi-ports for maximum flexibility** and vertical or horizontal mounting possibilities, our diversion valves readily adapt to changing job site conditions. These valves easily handle high pressures up to 1885 psi (130 bar) without leaking.

Model DVH 5/2 = 5 ports/2 positions shown mounted vertically.

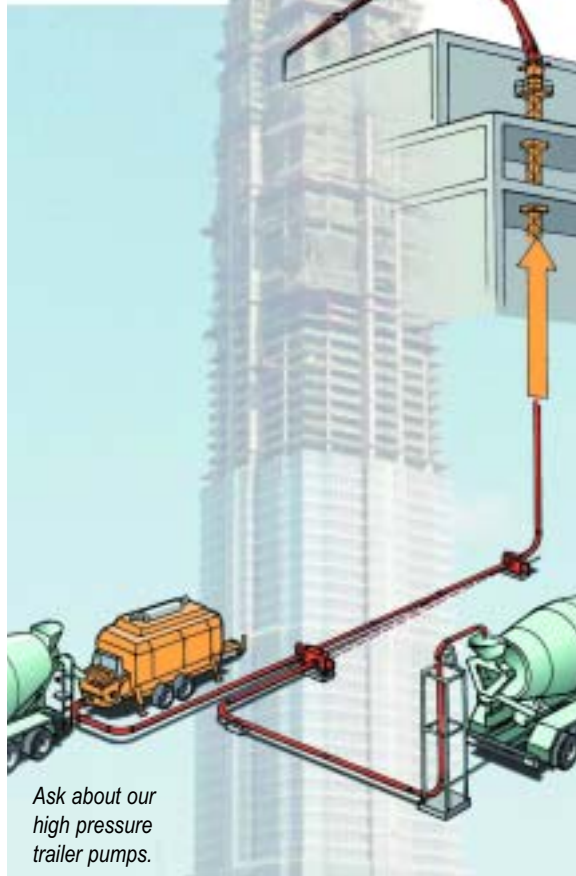


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GVH – Hydraulic Shut-Off Valves

Pressure-resistant and **leak-proof at extremely high pressures up to 2900 psi (200 bar)**, our hydraulically-operated shut-off valves reliably shut off so concrete doesn't bleed. They can be mounted vertically or horizontally for added versatility.

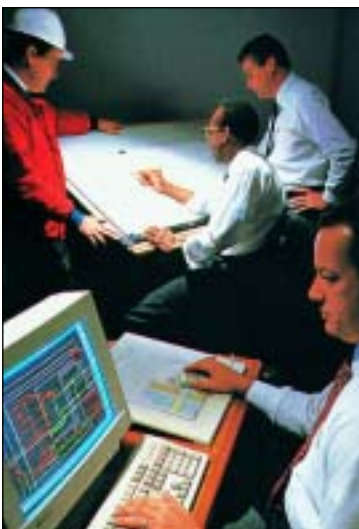
Model GVH 2/2 = 2 ports/2 positions shown mounted horizontally.



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Ask about our high pressure trailer pumps.

Technical Support



33 Experts to Assist Before, During and After

Our **specialists will work with you** to help lay out the job, specify equipment for maximum placing coverage, assist with crane capacity needs, supply reaction forces, schedule climbs and offer their expertise for the optimum way to get the job done.

Our **24-hour parts and service hotline** serves your urgent needs, and on-site operator training is available upon request. A large stocking parts inventory and highly responsive parts fill rate accommodates requests from our modern and recently expanded Wisconsin headquarters. Product support is further enhanced by our nationwide dealer network, qualified to assist with your service and maintenance needs.

Originally certified in 1998, Putzmeister also achieved the "revised" ISO 9001:2000 Quality Certification. ISO requires consistent quality with every unit produced.



Wisconsin headquarters

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Technology Driven, Customer Focused™



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