

## Data sheet – marine loading arms

Please email EMCO WHEATON - [ronald.lalonde@emcowheaton.com](mailto:ronald.lalonde@emcowheaton.com)

P: 832-289-5756

Company:	Date:
Address:	Contact:
Project Name:	Phone Number:
Dock Location:	Fax Number:
Country of Installation:	Email:



### Arm data

Arm number / Tag number		MLA# _____	MLA# _____	MLA# _____	MLA# _____
Shore end connection	size [inch]				
	rating [lbs]				
Ship's end connection	size [inch]				
	rating [lbs]				
Drain connection size	shore end [inch]				
	ship's end [inch]				
Operation	manual/hydraulic				
Indicate simultaneously connected arms					

## Accessories required

Arm number / Tag number		MLA# _____	MLA# _____	MLA# _____	MLA# _____
Triple Swivel Connection	Bolted flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Manual coupler	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Hydraulic coupler	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional Requirements	Vapor return line	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Vacuum breaker	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Insulation joint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Nitrogen purge to apex	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Steam tracing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Electrical tracing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Thermal insulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Platforms & ladders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Emergency release system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Base plate template	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Anchor bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hyd / Elec Requirements	HPU	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Local control panel & remote control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Customer Information	Weight of customer added valve at end of arm				
	Describe other requirements				

## Product data

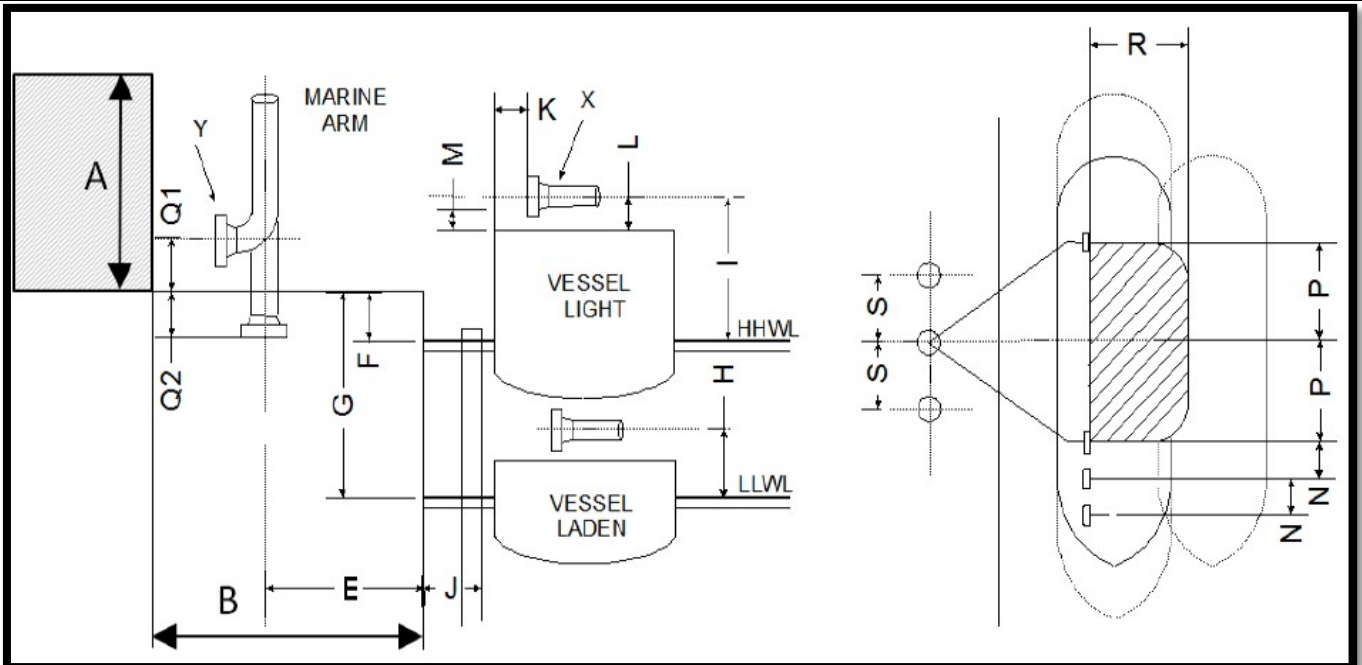
Arm number / Tag number	MLA# _____	MLA# _____	MLA# _____	MLA# _____
Product name				
Operating pressure [psi]				
Design pressure [psi]				
Operating Temperature [°F]				
Design Temperature [°F]				
Max. flow rate [Bph]				
Specific gravity				
Viscosity [cSt] @ xxx °F				

## Site data

Minimum ambient temperature [°F]		Operating wind speed [mph]	
Maximum ambient temperature [°F]		Design wind speed [mph]	
Horizontal seismic acceleration [ft/s <sup>2</sup> ]		Vertical seismic acceleration [ft/s <sup>2</sup> ]	
Seismic factor			

## Jetty data

Rep.	Feet	Description		
A		Height of obstructions on jetty		
B		Distance of obstructions from jetty edge		
E		Dock face to center line of riser	Minimum	Maximum
F		Top of dock to highest high water level [HHWL]		
G		Top of dock to lowest low water level [LLWL]		
J		Dock face to berthing line	Minimum	Maximum
Q1		Height of flange above dock		
Q2		Depth of flange below dock		
S		Distance between center line of risers		
Y		Inlet flange size and rating		
---		Counterweight minimum swing height above base plate		



## Vessel data

Rep.	Feet	Description		
---		Minimum vessel size [DWT or ft <sup>3</sup> ]		
---		Maximum vessel size [DWT or ft <sup>3</sup> ]		
H		Manifold height above water line laden condition	Minimum	Maximum
I		Manifold height above water line light / ballast condition	Minimum	Maximum
K		Distance manifold to ships [vessel] side	Minimum	Maximum
L		Distance main deck to centerline of manifold	Minimum	Maximum
M		Vessel's rail height	Minimum	Maximum
N		Distance between cargo manifold centers	Minimum	Maximum
P		Surge [linear longitudinal (for/aft) motion]	Minimum	Maximum
R		Sway [linear lateral (port/stbd) motion]	Minimum	Maximum
X		Vessel flange size and rating	Minimum	Maximum

## Power data

Arm number / Tag number	MLA# _____	MLA# _____	MLA# _____	MLA# _____
Hazardous area classification				
HPU location : Hazardous area / Safe area				
Second hydraulic pump				
Two speed maneuvering				
Stage alarm : 1 / 2				
Remote control : Cable / Radio				
Power supply at site	Volts (V)		Cycle (Hz)	Phase (Ph)



[www.emcowheaton.com](http://www.emcowheaton.com)

**Emco Wheaton USA** | 9111 Jackrabbit Road  
Houston, Texas | 77095 | USA

Phone 281.856.1300 | Fax 281.856.1325

assist@emcowheaton.



**Emco Wheaton GmbH** | Emcostrasse 2 – 4  
35274 | Kirchhain, Germany

Phone +49.6422.840 | Fax +49.6422.5100